2020

Michael Percy Audio Brooklin, ME Extensive list of vinyl LP's for sale - most in pristine near mint condition from my personal collection classical, jazz, pop, etc.

Ask for list if interested.

Ordering Information

*Mail to: 262 Back Road, Brooklin, ME 04616

- *Phone (207) 359-2049 or email <mpercy@mac.com>
- *You may call at anytime but we can be difficult to reach by phone,
- therefore best to email. Sorry no customer pickup at our office.
- *\$25.00 minimum order exclusive of shipping! *PayPal, Check/MO, wire transfer, in advance
- PayPal please add 3% fee to offset fees charged us (4.5% outside US) We cannot accept credit card payments directly.
- ***\$9.00 flat rate priority mail shipping charge per order USA** We ship almost exclusively by insured USPS Priority Mail.

UPS/FedEx available at additional cost, which may be significant.

*International customers, inquire about shipping costs).

*Maine residents add 5.5% state sales tax!

I make every effort to maintain adequate inventory of almost all products listed, and as a general rule ship promptly, usually within 1 - 3 days, occasionally longer if business is particularly heavy or your order requires termination or other preparation. We do spend more time away from the office than in years past, but are usually able to reply to emails quickly and advise if a delay is anticipated.

If you find a lower published price for an in-stock item from an authorized source (not eBay or similar) give us a chance to match it, perhaps we can, or not as the case may be.

MANY PRICE INCREASES AND SOME ITEMS MAY NO LONGER BE IN STOCK - always inquire first before paying!

INTERCONNECT & SPEAKER CABLE

*CANARE Video/Digital Coax: LV61S, 75Ω, 21pF/foot, black 6mm D, best buy quality digital/video use... 60¢ foot LV61S terminated with Canare's own 75Ω RCA, F, or BNC's (requires special crimp tools), add \$24.00 per cable (two ends installed), specify connector type!

*CARDAS AUDIO: The models below are available as bulk wire, and our sales are limited. to these items and the chassis wire on page 2. litz multistrand multi-gauge construction with Teflon insulation. Crosslink cables feature polypropylene insulated bare copper stranded conductors.

2 x 21.5ga: Two Teflon insulated enameled litz conductor bundles with a tinned copper spiral wrap shield, dark blue, 5mm D... \$6.50 per mono foot
 Crosslink 1i Interconnect: 17.5ga double shielded 8mm D cable, patented bare copper Constant Q Golden Section stranding... \$14.00 per mono foot
 Crosslink 1S Speaker cable: 10ga four conductor 9.5mm D cable featuring 120 discrete strand tubular Crossfield pure copper construction... \$9.95 mono foot
 SE 15 blue PVC jacketed dual concentric design with 2 multi strand 15ga litz outer layers spiraled in opposite directions and separated by Teflon tape from 2 multi
 strand counter spiraled 15ga inner layers. Optimized as a speaker cable for single ended amplifiers, suitable also as internal speaker hookup wire... \$8.95 per foot

*KIMBER KABLE 4vs: 13ga/eight wire weave high purity 5/9 copper... \$4.50 per foot while supplies last: TCSS-3BRD "PSB": three wire braid of the Teflon insulated 19ga 7 strand TCSS - used to make the high performance/low cost "PBJ" interconnect... \$6.10 ft. GQ-TCSS: four wire "GyroQuadratic" braid of the Teflon insulated 19ga 7 strand TCSS, for line level and moderate speaker level applications... \$8.75 per foot

*MOGAMI 2534: Four conductor (24ga) 6mm D shielded microphone cable OFC Neglex copper, excellent for low cost interconnects... \$1.59 per foot

CHASSIS WIRE

Acrotec 40μ : 99.99997% (6N) purity stress free copper wire from Nippon Mining, Japan - $(4.2\Omega/ft.)$ with polyester varnish insulation. possibly the best wire available for rewiring tonearms or any application given a sufficient number of paralleled strands. For most tonearms parallel about 15 ccw wound strands of this 46ga wire, or use fewer for ultra delicate applications, fragile and rather tricky to work with ... $85\phi/foot$, deduct 10% for 100+ feet, 20% for 250'+.

Cardas chassis wires: Teflon jacketed 6N copper multi-gauge, multi-strand litz construction with strands drawn between ceramic rollers in a nitrogen atmosphere and enameled to prevent oxidation. All Teflon insulated Cardas chassis wires are tested to 5000 VDC, superb for use inside electrostatic speakers or any high voltage application. These enameled wires require a hot soldering iron (800°F+, broad tip) or a solder pot. 10% discount for 50'+ or 20% for 100'+ chassis wire, mix ok. *9.5ga/\$6.50 per foot *11.5ga/\$5.25 per foot *15.5ga/\$3.95 per foot *17.5ga/\$2.95 per foot *20.5ga/\$2.50 per foot *23.5ga/\$2.50 per foot *33ga... For rewiring tonearms, an industry standard for this application, specify white, red, blue, green, black colors (no preference we'll give black)... \$2.50 ft.

We stock two colors in each of the gauges above (except 33ga), typically red and black, depending on availability, so specify your preference for one or two colors.

*Single strand enameled wire... The individual urethane enameled "magnet wire" strands used to build all other Cardas wire & cable, fixed length or weight spools. 18ga/100' @\$25 29ga/100' @\$7 & \$250' @\$16 31ga/100' @\$6 & 250' @\$14 33ga, 35ga or 37ga 30-50gr @\$18 38ga, 39ga... please inquire

Cardas jacketed cables:

- *2 x 21.5ga... 4.5mm diameter shielded two conductor, excellent budget interconnect or shielded chassis wire, blue... \$6.50 per foot
- *4 x 24ga... 4.5mm diameter shielded 4 conductor version of the wire described above, blue... \$19.95 per foot
- *4 X 33ga... 2.5mm D shielded 4 conductor... \$11.95 per foot

Kimber TCSS: 19ga Teflon insulated 5N bare copper utilizing 7 strands of 3 gauges - choose white/black/red/green/blue/yellow/clear... \$1.30¢ ft. (100'+ mix @\$1.15) Kimber TCX: 15ga. cable formed from three uninsulated TCSS bundles contained within a single TFE jacket, specify black/green/red/blue... \$4.65 ft. Kimber SF23: 2:1 ratio 23ga flat KS Intrinsic copper wire with clear V-Teflon insulation... \$3.65 per foot (100'+ deduct 10%) Kimber TCSS-3BRD "PSB": three wire braid of the Teflon insulated 19ga 7 strand TCSS... \$6.10 per foot Kimber GQ-TCSS: four wire "GyroQuadratic" braid of the Teflon insulated 19ga 7 strand TCSS... \$8.75 per foot

chassis wire continued on page 2...

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CHASSIS WIRE

Jupiter 26ga solid core copper: cotton wrap, drawn from cast copper rod, cryo treated, uncertified 6N purity @\$1.25 ft.

Audience 21ga stranded copper: cryo treated 6N OHNO with XLPE crosslinked polyethylene insulation, red & black colors available @\$2.95 per foot

Wonder Wire: A proprietary design high performance 19ga solid core, silver clad high purity copper with a unique crystal structure, uninsulated @\$1.75 per foot Insulated type with a special high voltage (9000VDC) clear dielectric @\$2.25 per foot Deduct 10% for 100'+ Wonder Wire.

 Solid Core Silver:
 from various sources, for all insulated gauges listed, deduct 10% for 50' and 15% for 100' or more per gauge

 30ga (.9999) <u>uninsulated @</u>\$.75 ft
 34 ga (4N) clear Teflon @\$3.95 foot
 28ga (4N) cotton wrap @\$2.00 ft.
 28ga (4N) silk wrap @\$3.15 ft

 26ga (5N) silk wrap @\$3.95
 23ga (4N) cotton wrap @\$5.75 ft.
 23ga (4N) cotton wrap @\$5.75 ft.
 28ga (4N) silk wrap @\$3.95

Cardas <u>un</u>insulated silver wire, drawn through diamond dies, reduction oven annealed, superb quality silver .99999 (99.999%) claimed purity after annealing 26ga @\$1.95 23ga @\$4.95 19ga @\$12.50

Cardas bare silver gauges are intermittently available and silver prices are in constant flux - please always confirm our stock and price before sending funds. no quantity breaks for now

 Headshell leads:
 Audioquest silk wrapped pure copper litz, 1-5/8" long with gold plated cartridge clips... \$19.95 set/four

 Cardas 33ga with gold plated PCC-EG economy clips @\$48/four
 33ga with Ag/Rh plated PCC-ER clips @\$90/four

Note 4N = 99.99% (.9999) & 6N = 99.9999% (.999999)

BRAID, TUBING, HEAT SHRINK

 Copper Braid: Finely stranded tinned copper *tubular* braid suitable for shielding audio signal carrying wire against RFI and electro-magnetic interference:

 1/16" (48 x 36ga)/35¢ foot
 1/8" (120 x 36ga)/55¢
 1/4" (384 x 36ga)/95¢ foot
 3/8"/\$1.15 foot
 1/2" (528 x 36ga)/\$1.75 foot

 Deduct 10% for 50+ feet, 20% for 100'+ per individual size.
 If you intend to cover cu braid with poly mesh braid, use poly one size larger and add 10% length.

Polyester Mesh Braid: Provides a neat finished appearance and insulation over cable assemblies shielded with copper braid or as an attractive covering for bundled wires and wire harnesses of any type, will expand about 50% over nominal diameter with good coverage, tight weave type, solid black color. Please note that you may require length of this product beyond the actual dimension of the wire you are covering. As the braid is expanded it shortens. This is especially a consideration for the larger sizes, e.g. a length of the 1-1/4" braid will only cover about 70% of its length measured flat when expanded to cover a cable with 1-1/4" diameter. Best to order extra length. 1/4" @45¢ per foot 3/8" @75¢ per foot 1/2" @1.05¢ per foot 3/4" @1.25¢ per foot 1-1/4" @\$1.75 per foot Deduct 15% for 50'+, 25% for 100'+ per size.

Fiberglass Cloth Sleeving: Soft, flexible, completely opaque black tubular sleeving, exceptionally nice appearance, my first choice for power supply umbilicals or short ravel free coverings inside components, choose diameter carefully as this type will not expand, excellent for extreme temperatures, will withstand 500°C 1/8" @35¢ foot 1/4" @50¢ foot 3/8" @95¢ foot 1/2" @\$1.65 foot 3/4" @\$1.75 foot 1" @\$2.95 foot Deduct 15% for 50'+, 25% for 100'+ per size

Meltable Inner Wall Semi-rigid Polyolefin Heat Shrinkable Tubing: This is a 3:1 ratio heat shrink which is rigid enough to provide substantial support for any type of encapsulated connector-capacitor-adaptor etc. assembly or strain relief for cable-connector junctions, black color only.

1/4" @\$2.75 per foot 3/8" @\$3.00 per foot 1/2" @\$3.50 per foot 3/4" @\$5.75 per foot 1.0" @\$6.95 per foot shipped in one foot long sections

Adhesive lined Heat Shrink: Flexible 3:1 ratio heat shrink with an adhesive lining which melts when heated and will bond to most materials providing excellent flexible strain relief, black only... 1/8" @\$1.50 ft. 1/4" @\$1.75 ft. 3/8" @\$1.95 ft. 1/2" @\$2.50 ft. 3/4" @\$2.95 ft. 1" @\$4.50 ft. 1.5" @\$7.95 ft.

Polyolefin Heat Shrink: High quality, high temperature tolerant 2:1 heat shrink for all-purpose application as insulation, strain relief, etc., specify color: *clear, red, or black, sold only in 4' sections, price per four foot length*... 1/8" @\$2.00 1/4" @\$2.50 3/8" @\$3.50 1/2" @\$4.00 3/4" @\$5.95 1" @\$6.25 3/8" special in white @\$1.50 per four foot section

 Teflon tubing: High temperature PTFE insulation for component leads, bare wire, etc., milky white "natural" color, 0.012" - 0.015" thin wall for 22ga through 6ga

 0.020" standard wall for 4ga and larger - deduct 25% for a 100' spool.
 22ga/25¢ per foot
 20ga/30¢
 18ga/35¢
 16ga/40¢
 14ga/50¢
 12ga/55¢
 10ga/60¢

 8ga (0.129" ID)/90¢
 6ga (0.162" ID)/\$1.10
 4ga (0.208" ID)/\$1.60
 3ga (0.234" ID)/\$1.95
 2ga (0.258" ID)/\$2.25
 0ga (0.325" ID)/\$2.50 per foot

CABLE MOUNT RCA

Cardas SRCA: Top of their line, for up to 9mm cable diameter, silver/rhodium plated brass, spring reinforced ground contact for long term snug fit... \$49.50 pair Cardas GRMO: 9mm silver/rhodium plated brass, similar to SRCA but without spring reinforced ground and slightly smaller body... \$41.50 pair Cardas SLVR: 9mm silver over brass... \$36.00 pr.

Cardas GRNO: 9mm silver/rhodium plated right angle male for tight clearances behind components... \$48.00 per pair

Cardas GRCM: shorter more compact silver/rhodium plate, two barrel sizes, specify for up to 6mm or 8mm cable ... \$29.00 pair

Cardas GSMO: (SLVR with gold shell) *closeout* @\$18.00 pair (4 pair available)

Vampire 800C: 8mm cable size 88% OFC copper with heavy direct gold plating, one piece style + outer black shell (shell slides over cable first), thick splined ground crown with .125"D center pin, .560" long, Teflon dielectric, a superb connector, one of the best best available... \$39.95 per pair (retail is \$75)

Vampire 808: 8mm cable size plug similar to 800C in design but gold plated brass, Teflon dielectric... \$19.95 per pair (retail is \$31)

Vampire LRCA: locking type RCA plug, nickel free gold plated brass; for cables to 8mm... \$22.95 pair. (retail is \$30)

Vampire 557 male or 582 female: 5mm cable size plug with spring strain relief, 7mm without spring, black shell, gold plated... \$10.50 pair

Cardas & Vampire RCA - deduct 10% for 6+ pair and 20% for 12+ pair

Furutech FP-162G: 24K gold plated with eutectic cast copper center pin and copper alloy body for cables to 7.3mm diameter... \$18.95 pair

 WBT-0144: midline solderable 9mm plug @\$72 per pair
 WBT-0145: midline plug for WBT-2020 coax cable super closeout special @\$30/set of four (2 sets left)

 WBT-0108: topline RCA intended for crimp connection, but could be soldered super closeout special @\$49/set of four (two sets available)

 WBT-0110Cu: nextgen 24K gold plated 99.99% OFC @\$125/pair

 WBT-0110Ag: nextgen with passivated pure fine silver contacts @\$159/pair

Eichmann Bullet Plugs: 9mm barrel, solid silver contacts with plastic or metal shell, low mass contact RCA, \$75 pr. *closeout* (2 pair plastic shell, 2 pair metal shell)

XLO HT 75\Omega RCA: fits cables up to 8.5mm, direct gold plate, excellent for digital cables due to 75 Ω impedance (most RCA are about 50 Ω)... \$6.95 each

FEMALE CHASSIS MOUNT RCA

Cardas GRFA: Silver/rhodium plated brass (60μ Ag, $\leq 3\mu$ Rh) Teflon dielectric, outside nut style, requires a 7/16" (.440") chassis hole if used with supplied isolation washers, or a 3/8" hole w/o washers, available in two lengths, standard accommodates chassis to .10" thick, long up to .35"... standard/\$29.95 pair long/\$37.50 pair

Cardas PC Mount: Ag/Rh plated, GRFA-PRT right angle @\$40.00 pr. or GRFA-PS straight @\$26.00 pr. and the dual GRFA-DBL-PRT @\$15.25 per assembly pair

Cardas RCA Caps & Shorting Plugs: Non-shorting caps to cover unused RCA inputs @\$3.60 each or \$43.00/twelve shorting @\$4.50 each or \$53.00/twelve

Kimber: Premium quality brass chassis mount with Kimber's proprietary *Ultraplate* finish (probably Ag/Rh but Kimber won't say), Teflon dielectric, inside nut mount, tab machined from plug body for direct soldering of grounds, 25/64" body diameter requires .50" hole using supplied isolation washers,... \$29.50 pair

WBT-0201: chassis mount topline, fits chassis hole size .475", 99.99% copper content with electroless nickel/gold plate, Teflon dielectric... \$98 per pair
WBT-0208: crimp style solderless chassis mount but coud be soldered, *closeout special*... \$69 pair (5 pair available)
WBT-0234: 24K gold plate electrolyte copper, right angle pc mount jack, *closeout special*... \$69 per pair (3 pair available)
WBT-0251: 24K gold plate electrolyte copper, straight pc mount jack, *closeout special*... \$69 per pair (4 pair available)
WBT-0210Cu: *nextgen* 24K gold plated 99.99% OFC jack with plastic nut @\$85/pair
WBT-0210Ag: *nextgen*, same but with metal nut @\$85/pair
WBT-0210Ag: *nextgen*, same but with metal nut @\$169/pair

MISCELLANEOUS CONNECTORS & ADAPTORS

NEUTRIK XLR: Gold or silver plated 3 pin NC3XB type XLR cable mount or panel mount, black shell... \$5.25 each *Gold plated assumed if you do not specify silver (all 4p, 5p gold).* 4 pin NC4FXB female cable @\$8.50, 4 pin NC4MXB male cable @\$6.50, 4 pin NC4FP-1-B female panel mount @\$8.50, 4 pin NC4MP-B male panel mount @\$6.50 5 pin NC5FXB female cable @\$8.95, 5 pin NC5MXB male cable @\$6.95, 5 pin NC5FP-1-B female panel mount @\$10.95, 5 pin NC5MP-B male panel mount @\$7.95

VAMPIRE XLR: 3 pin black shell XLR *cable* mount @\$7.50 or *panel* mount @\$8.95 ea., male & female, direct gold plate copper alloy (except female grounds), The panel mounts have the same flange size and mounting hole layout as our Neutrik. The cable mounts can be used to easily make RCA/XLR adaptors, ask us how!

CARDAS CG XLR: non-eutectic billet brass with Ag/Rh plated contacts cable mount @\$49.95 each male or female panel mount @\$39.95 each

XLO XLR: Signature series with direct gold plated beryllium copper contacts, male <u>cable</u> mount/\$10.95 each (no female available)

VAMPIRE 75Ω BNC & F: gold plated 7.5mm solderable cable BNC and 9mm F connectors ... \$14.95 each BNC or F type Vampire 75Ω PCBNC: - right angle pc mount BNC connector @\$8.95 each

1/4" phone plugs: Vampire gold plated mono or stereo phone plug... \$9.50 ea. Neutrik NP2C nickel plated 1/4"... mono/\$3.50 each stereo/\$5.50 each Neutrik NJ3FP6C-BAG, 1/4" phone socket for mono or stereo application, silver plated contacts, locking type with black rectangular mounting flange... \$7.50 each

VAMPIRE "Y" adapter: gold plated "Y" adapter (male to double female RCA, one female in line & one at 90° or both females at 90° as in letter F - specify!) ... \$22.95 pair

VAMPIRE 90° adapter: A one piece gold plated right angle adapter with a male and female RCA offset 90° from each other... \$18.50 pair

VAMPIRE double female RCA: A one piece gold plated double female RCA for joining two male terminated cables... \$17.50 per pair

Cartridge clips: Cardas PCC-EG gold, or -ES, silver, plated brass clips @\$2.25 ea. Kit of four PCC-EG or -ES with color coded heatshrink and Wonder Solder... \$11.50 Cardas PCC-ER Ag/Rh plated brass clips to fit most cartridges @\$3.95 each Kit of four PCC-ER with color coded heatshrink and Wonder Solder... \$18.00 van den Hul direct gold plated copper clips... 1.0mm or 1.2mm @\$2.50 each (1.2mm fits most cartridge pins best)

CARDAS Tonearm connectors: Five pin female tonearm plug with Teflon dielectric, machined aluminum case... SDIN straight @\$64.95 RDIN right angle @\$99.95 Cardas SDIN-E economy female with plastic sleeve @\$29.00 Cardas TIDP female plug w/set screw, no sleeve @\$12.50 Cardas MDIN male plug only @\$14.50 Cardas MDIN-R male with Rega type adapter sleeve @\$25.50

CARDAS termination box: CPIB, Black anodized box with Cardas RCA & ground posts only @\$150.00 CPIB-ST, same box with flex lead and tonearm plug @\$275.00

Stereo Mini plug: Oyaide 24K gold plated brass 3.5mm stereo mini-plug with chrome plated brass shell to fit cables up to 6mm D @\$13.50 each

Fischer: very hard to find \$104 series 3 pin cable connectors for cables to 8.7mm, used with Cello and some others, male/\$85 each, female/\$93 each

Lemo Camac: Lemo RG58 5mm male cable mount connector @\$17.95 each

Lemo Camac Adaptor: Female RCA to male Camac adaptor (allows RCA cables to be used with Camac inputs) ... \$35.50 each

CARDAS BINDING POSTS



CCBP & CCGR machined 1/4" binding post, available in unplated or silver/rhodium plated tellurium copper, (app. 60μ Ag, $\leq 3\mu$ Rh) with gold plated lock nut. Both are available in two lengths and mounted in a removeable "no turn" black plastic plate to fit .5" holes on standard .75" centers, or as individual posts in a .310" hole. Choose short model to accommodate chassis thickness up to .175", or the long (pictured) for up to .900", an additional .250" gained if used individually without insulators. Deduct 10% for four or more sets. (a stereo set is 4 posts for $\pm L \& R$ *channel*) short or long CCBP unplated posts \$90.00 per stereo set (2 prs.) CCGR plated posts \$110/long, \$94/short **SBPI** shoulder washers if you need to use the posts without dual holder for other spacing @\$3.50 red or black

CPBP insulated posts (not pictured) with low mass contacts to fit spade lugs or bare wire (no bananas), mounts with a single screw, and clamps spade with a single knurled knob, available in a short version for metal chassis, or long for speaker cabinets, specify Ag/Rh plated or bare copper... \$99.00/long and \$89.00/short - per stereo set Deduct 10% for 4+ sets.

Spade Lugs, BANANA PLUGS, BINDING POSTS

Audioquest spade: Specify direct gold or silver plate copper, 3/16" or 1/4", opening, all .040" thick for 10-12 ga wire... \$1.25 each (25+ less 10% & 100+ less 15%) P-8M spade lug, a heavier duty direct gold or silver plated OFHC 8ga angled spade lug, dual fit for 1/4" & 5/16" post... \$3.25 each (deduct 10% for 12+) Cardas spade lugs: 1 GRS angled two piece spade with separate crimp sleeve, specify 1/4" GRS-C bare copper @\$4.25 or 1/4" GRS-R Ag/Rh plated @\$8.50 Ag/Rh plated GRS-9R for 9mm post @\$9.95 (10+, deduct 10%) @ CCMS premium milled spade lug, specify 1/4" CCMS-c1 bare copper @\$10.95 or 1/4" CCMS-r1 Ag/Rh plated @\$12.95 or <u>ccms9c</u> unplated @\$12.95, <u>ccms9r</u> plated @\$17.95 for 9mm binding post, or CCMS-R plated only to fit 1/8" barrier strip screw terminals @\$12.00 Cardas banana plugs: A silver/rhodium plated banana with a very durable pin structure. Designed to accomodate a spade lug, bare wire, or you can solder directly duals/\$29.95 each with removable mounting plate to hold them on standard .750" centers. (6+ pair less 10%) to them singles/\$15.00 each BTS ADAPTER converts banana plug to a spade lug --- set of four to fit 1/4" post @\$36.95 or 9mm post @\$52.95 Cardas Magy pin: Quality silver/rhodium plated pin which replaces the connectors used between the xover and panels on Magnepans... \$9 each Cardas pin connector: Nickel plated angled pin connector with notches, to fit spring type speaker wire receptacles... \$3.40 each Eichmann Bayonet bananas: low mass technology 4mm banana, closeout special... gold plated CuTe contact \$49/set 4 with pure silver contact \$95/set 4 Eichmann Silver over OFC Spade Lugs: 1/4" lug for 5-6 AWG wire... \$10 each 5/16" lug for 5-6 AWG wire... \$12 each Eichmann CablePod binding posts: Same low mass technology as their superb RCA connectors, gold plated CuTe, closeout special \$75/stereo set (\$129 retail) Furutech FP200BG banana: 24K gold plated phosphor bronze banana with aluminum shell... \$13.95 each Vampire cut rings: #2 ga. gold plated/silver subplate copper ring lug cut to form a spade lug (.360" crimp barrel, .650" overall width, .275" opening)... \$4.50 each Vampire HDS angled spade lug: direct gold plate OFC copper for 1/4" post ... \$4.95 each (specify HDS1 for up to 4ga or HDS5 for 7ga crimp barrel) HDS3 for 5/16" post and up to 4 AWG wire ... \$4.95 each **BAR** gold straight lug with 0.165" opening and 0.325" overall width for barrier strips... \$1.00 each **SS9** gold plated stepped spade to fit up to 0.350" diameter binding posts @\$2.50 each Vampire banana plugs: Very sturdy nickel/gold plated solid brass two piece banana plug which can be used with its thumb screw to secure heavy gauge bare wires or pin terminated cables; banana leaves are machined from the body of the plug and will insure a long term tight connection. SB Singles are all metal, solderable & stackable /\$18.50 pair **DB** (pairs of #SB) in a plastic holder so best not to solder, not stackable/\$35.00 pair (two duals) Vampire pin connector: Gold plated flat pin for use on speaker cables connecting to spring type receptacles... \$.95 each Vampire binding posts: Gold over silver plated brass, 5 way binding posts with removable black plastic mounting plate to fit standard .50"D holes on .75" spacing. BP-1Hex short size with mounting plates will fit wall thicknesses up to 5/16"... \$39.95 short per stereo set (four posts and two mounting plates) BP-1.5Hex long size will fit wall thicknesses up to 7/8"... \$45.95 per stereo set (four posts and two mounting plates) BP-1Hex/CB high copper content, direct gold plate short size with mounting plates will fit wall thicknesses up to 5/16"... \$95 per stereo set WBT Binding Posts & Bananas: WBT-0765 midline insulated 24K gold plated 52% OFC alloy binding posts... \$149/set of four WBT-0766 midline insulated, same as 0765 except option for screw attachment for wire instead of soldering... \$149/set of four WBT-0763 midline 24K gold plated 52% OFC alloy, capable of 200A continuous current... \$140/set of four (one set midline WBT-0744 available @\$60/four) WBT-0710Cu nextgen 24K gold plated 99.99% OFC posts... \$259/set of four WBT-0710Ag nextgen passivated pure silver posts... \$398/set of four WBT-0715 extensions for all WBT posts except nextgen - allows mounting binding posts on panels up to 2" thick... \$32 set of four WBT bananas: lockable design, gold plated OFC alloy.... WBT-0644 straight banana @\$152 set of four 0645 angled safety insulated banana @\$152 set of four XLO/Deltron bananas: Direct gold plated brass individual bananas, contact fingers machined from body of plug, solderable... \$9.50 pair XLO safety bananas: with spring loaded clear sleeve that covers the contact when unplugged, unique design, closeout special... \$12.00 pair Economy locking banana: gold plated two piece solderable locking single bananas for up to 7 AWG wire @\$6.95 pair Tiffany binding posts: super heavy duty gold plated individual posts with insulators in three lengths, specify for up 1/4", 1/2", or 3/4" mounting wall thickness, best deal to be found in a high quality binding post, super closeout special @\$29.95/set of four lighter duty version for up to 7/8" wall... \$22/set of four Basic Binding Post: for less critical applications, these can't be beat, fits 0.35" D chassis hole and up to 0.6" thickness, gold plated singles... \$9/set of four KIMBER POSTMASTER: A two layer copper spade lug with a com-Available either in unplated copper or with Kimber's propressible wafer fitted between the two contact parts. The prietary Ultraplate finish, PM-25 fits 1/4" posts, PM-33 fits 5/16" posts, overall width is .535", accepts up to six wafer maintains constant dynamic pressure on the binding gauge wire. Supplied with heat shrink & Wonder solder. post preventing contact losses due to vibration or tempera-

Specify unplated copper or Ultraplate finish and size \$20.00 per pair

Canare 75Ω BNC & RCA: True 75Ω panel mount female BNC & RCA connectors, to replace the non-75Ω RCA jacks or 50Ω BNC's usually found on digital & video equipment, chassis isolated, available in an R1 style direct chassis mount or RU style bulkhead mount. BNC's have gold plated center pin, RCA's are all gold plate. And, yes, the 75 \Omega Canare RCA does sound audibly better on digital components than the much more expensive WBT/Cardas/etc. RCA male or female! R1-BNC/\$6.95 RU-BNC bulkhead mount/\$9.95 R1-RCA @\$6.95 RU-RCA bulkhead mount/\$9.95 75Ω FRCA/75Ω FBNC adaptor @\$10.50

ture fluctuation and binding posts need only be finger tightened. The radial ridges concentrate contact pressure for a gas tight fit.



RELIABLE CAPACITOR

*Highest quality axial lead film capacitors designed by Richard Marsh, in collaboration with, and manufactured by Reliable Capacitor. Various types are available, including Teflon, Polystyrene, film & foil Polypropylene, and metallized Polypropylene, some using their popular multi-section coaxially wound "MultiCap" construction, others with very high voltage films. *Nominal tolerance is ±10% (±5% typical), add 50¢ per capacitor for 1% matched pairs (pairs within 1% of each other, absolute value is not guaranteed).

*Exclusively for our customers we have measured for & marked the outer foil lead end of most larger value capacitors with a black dot for optimum orientation. For most series signal path applications I recommend orienting the outer foil lead toward the load, as though the signal were exiting the cap at the end with the dot. For shunt and power supply bypass applications, orient the black dot toward ground. At the very least, observe the same alignment in the left & right channels. *Deduct 10% for \$250+, 15% for \$500+, any mix of Rel-Caps except TFT & PCU

λ,	udioCap Teflon & Tin F	oil (TET)	1511F	1007	53 05		AudioCap Polypropylene & Copper Foil (PCU)
л		011 (1171)					
01 5	0001 HD G 400 FF	0.1					.10μF
	200VDC\$30.75						.22µF
							.22μF
.022µF			.22µF	400V	91.25		.33µF
.022µF							.33µF600V97.951.0" x 1.30"
	600V						.47µF
							.47μF
							.68µF
	600V						.68µF
							1.0µF
.047µF			.68µF	100V		90" x 1.00"	1.0µF
.047uF	600V		.68uF	200V			2.0µF
						1.0" x 1.25"	
	400V						
			1.0µ1				
	600V						2.0µF by special order only (8 weeks).
							No 1% matches for TFT/PCU due to limited inventory.
.10µF			Teflon	& Tin Foil, d	lirect gold plate	oFC leads	although we do pair them up as best we can at N/C
.10µF	600V\$50.50	54" x 1.25"			0 1		
			00 F	40077	414.05	FOI 1.00	0.0.7 0007 651.05 1.55% 1.00%
Multi	iCap Film & Foil Polysty	rene (RTX)					3.0µF
.01µF		40" D x .80" L	.33µF	400V	16.75	90" x 1.80"	
	600V					1.10" x 1.80"	
						1.05" x 1.80"	
	600V						
	600V 8.75					1.20" x 2.30"	
	600V 10.95					1.15" x 1.80"	
	100V						
						1.20" x 1.80"	
							Highest quality, very low ESR polystyrene & tin foil
						1.20" x 2.30"	construction. Arguably their best MultiCap design
.15µF	100V 10.25		2.0µF	200V		1.35" x 2.30"	
MultiCo	ap Film & Foil Polyprop	vlene (PPFX)	.6811F	400V	\$10.95		1
		1-2-2 (
10.17 8-1	4003 FDC 68 F0	50" D 1 00" I					
.10µF tin	600V 9.65						
.15uF tin	400V 9.65		1.0µF tin	400V			
						1.10" x 1.25"	
	600V 11.50					1.10" x 1.80"	
.22µF			4.0μF tin	200V	46.65	1.20" x 1.80"	
.33uF tin	400V 11.25		5.0uF tin	200V		1.35" x 1.80"	High current film & foil polypropylene construction,
	600V 12.15					1.50" x 1.80"	excellent for power supply and speaker crossover
						1.45" x 2.30"	applications. Where "tin" is noted these are the PPFX-S
						1.45" x 2.30" 1.65" x 2.30"	tin foil type, others are aluminum foil construction.
.47μF tin			10.0µF tin	200V	66.50		
.47μF tin			10.0μF tin	200V	66.50 \$9.95 (\$5.5	1.65" x 2.30"	tin foil type, others are aluminum foil construction.
.47µF tin MultiCaj	p Metallized Polypropy		10.0µF tin .68µF .68µF	200V 400V 600V	\$9.95 (\$5.5 12.65	1.65" x 2.30" 50)	tin foil type, others are aluminum foil construction. 6.0µF 400V 7.0µF 200V 19.10 1.00° x 1.80°
.47μF tin MultiCaj	mp Metallized Polypropy	········ .80" x 1.80" Plene (PPMFX) ····· .37" D x .55" L	10.0µF tin .68µF .68µF 	200V 400V 600V 200V	\$9.95 (\$5.6 12.65 	50)	tin foil type, others are aluminum foil construction. 6.0µF 400V \$26.75 1.50° x 1.80° 7.0µF 200V 19.10 1.00° x 1.80° 8.0µF 200V 17.95 1.10° x 1.80°
.47μF tin MultiCag	p Metallized Polypropy 200VDC \$4.60 400V 5.25 (\$3.		10.0µF tin .68µF .68µF .82µF 1.0µF	200V 400V 600V 200V 200V	\$9.95 (\$5.5 12.65 6.05 5.80	50)	tin foil type, others are aluminum foil construction. 6.0μF .400V \$26.75 .1.50" x 1.80" 7.0μF .200V 19.10 1.00" x 1.80" 8.0μF .200V 17.95 .10" x 1.80" 10.0μF .200V .23.65 (\$14.25) 1.10" x 2.00"
.47μF tin MultiCag	p Metallized Polypropy 200VDC \$4.60 400V 5.25 (\$3. 600V 7.65		10.0µF tin .68µF .68µF .82µF 1.0µF 1.0µF	200V 400V 600V 200V 200V 400V		1.65" x 2.30" 50)70" x 1.20" 	6.0μF
.47µF tin MultiCap .10µF .10µF .10µF .22µF			10.0µF tin .68µF .68µF .82µF 1.0µF 1.0µF 		66.50 \$9.95 (\$5.5 12.65 6.05 5.80 10.15 (\$6.5 13.95	1.65" x 2.30" 50)	tin foil type, others are aluminum foil construction. 6.0μF
.47µF tin MultiCap .10µF .10µF .10µF .22µF			.68µF .68µF .82µF 1.0µF 1.0µF 1.0µF 1.5µF	200V 400V 600V 200V 200V 400V 600V 200V			tin foil type, others are aluminum foil construction. 6.0μF
.47µF tin MultiCap .10µF .10µF .10µF .22µF .22µF	600V 17.35 p Metallized Polypropy 200VDC \$4.60 400V 5.25 (\$3600V 600V 7.65 200VDC 4.65 200V 4.65 400V 5.45 (\$365)		.68µF .68µF .82µF 1.0µF 1.0µF 1.0µF 1.5µF	200V 400V 600V 200V 200V 400V 600V 200V			6.0μF
.47µF tin MultiCap .10µF .10µF .10µF .22µF .22µF	600V 17.35 p Metallized Polypropy 200VDC \$4.60 400V 5.25 (\$3. 600V 7.65 200VDC 4.65 400V 5.45 (\$3. 600V 5.45 (\$3.		.68µF .68µF .82µF 1.0µF 1.0µF 1.0µF 1.0µF 2.0µF 2.0µF				tin foil type, others are aluminum foil construction. 6.0μF
.47µF tin MultiCap .10µF .10µF .10µF .22µF .22µF .33µF	600V 17.35 p Metallized Polypropy 200VDC \$4.60 400V 5.25 (\$3. 600V 7.65 200VDC 4.65 400V 5.45 (\$3. 600V 5.45 (\$3. 600V 8.30 200V 4.85 200V 4.85		10.0µF tin .68µF				tin foil type, others are aluminum foil construction. 6.0μF .400V \$26.75 7.0μF .200V .19.10 .1.00" x 1.80" 8.0μF .200V .17.95 .10" x 1.80" 10.0μF .200V .23.65 (\$14.25) 1.10" x 2.00" 15.0μF .200V .29.15 1.40" x 2.00" 20.0μF .200V .35.75 1.50" x 2.80" 30.0μF .200V .88.95 1.60" x 2.80"
.47μF tin MultiCap .10μF .10μF .10μF .22μF .22μF .33μF	600V 17.35 pp Metallized Polypropy .200VDC \$4.60 .400V 5.25 (\$3. .600V 7.65 .200V 4.65 .400V 5.45 (\$3. .600V 8.30 .200V 4.85 .400V 7.65 (\$4.		10.0µF tin .68µF .68µF .82µF .0µF 1.0µF 1.0µF 1.0µF 2.0µF 2.0µF 3.0µF				tin foil type, others are aluminum foil construction. 6.0μF .400V \$26.75 7.0μF .200V .19.10 .1.00" x 1.80" 8.0μF .200V .17.95 .10" x 1.80" 10.0μF .200V .23.65 (\$14.25) 1.10" x 2.00" 15.0μF .200V .29.15 1.40" x 2.00" 20.0μF .200V .35.75 1.50" x 2.80" 30.0μF .200V .88.95 1.60" x 2.80"
.47μF tin MultiCag .10μF .10μF .22μF .22μF .33μF	600V 17.35 p Metallized Polypropy 200VDC \$4.60 400V 5.25 (\$3. 600V 7.65 200V 4.65 400V 5.45 (\$3. 600V 8.30 200V 4.85 400V 7.65 (\$4. 600V 8.30 200V 4.65 (\$4.		.68µF				tin foil type, others are aluminum foil construction. 6.0μF .400V \$26.75 1.50° x 1.80° 7.0μF .200V 19.10 1.00° x 1.80° 8.0μF .200V 17.95 1.10° x 1.80° 10.0μF .200V 23.65 (\$14.25) 1.10° x 2.00° 15.0μF .200V .29.15 1.40° x 2.00° 20.0μF .200V .35.75 1.50° x 2.00° 30.0μF .200V .88.95 1.60° x 2.80° Metallized polypropylene, compact, self healing,
.47µF tin MultiCcq .10µF .10µF .10µF .22µF .22µF .22µF .33µF .33µF .33µF .47µF	600V 17.35 pp Metallized Polypropy 200VDC \$4.60 400V 5.25 (\$3. 000V 7.65 200V 4.65 200V 5.45 (\$3. 000V 5.45 (\$3. 000V 4.85 400V 7.65 (\$4. 000V 4.85 400V 7.65 (\$4. 600V 10.15 200V 5.25		10.0µF tin .68µF .68µF .68µF .68µF .6µF 1.0µF 1.0µF 1.0µF 2.0µF 2.0µF 2.0µF 3.0µF 4.0µF				tin foil type, others are aluminum foil construction. 6.0μF
.47µF tin MultiCcq .10µF .10µF .10µF .22µF .22µF .22µF .33µF .33µF .33µF .47µF	600V 17.35 pp Metallized Polypropy 200VDC \$4.60 400V 5.25 (\$3. 000V 7.65 200V 4.65 200V 5.45 (\$3. 000V 5.45 (\$3. 000V 4.85 400V 7.65 (\$4. 000V 4.85 400V 7.65 (\$4. 600V 10.15 200V 5.25		10.0µF tin .68µF .68µF .68µF .68µF .6µF 1.0µF 1.0µF 1.0µF 2.0µF 2.0µF 2.0µF 3.0µF 4.0µF				tin foil type, others are aluminum foil construction. 6.0μF
.47µF tin MultiCap .10µF .10µF .22µF .22µF .22µF .33µF .33µF .33µF .47µF .47µF	600V 17.35 pp Metallized Polypropy 200VDC \$4.60 400V 5.25 (\$3. 600V 7.65 200V 4.65 400V 5.45 (\$3. 600V 5.45 (\$3. 200V 4.85 400V 7.65 (\$4. 600V 10.15 200V 5.25 400V 7.65		10.0µF tin .68µF .68µF .82µF 1.0µF 1.0µF 1.0µF 2.0µF 2.0µF 3.0µF 3.0µF 4.0µF	200V 400V 600V 200V 200V 400V 600V 200V 200V 400V 200V 400V 200V 400V 200V 400V			tin foil type, others are aluminum foil construction. 6.0µF
.47μF tin MultiCag .10μF			10.0µF tin .68µF .68µF .82µF .0µF 1.0µF 1.0µF 2.0µF 2.0µF 3.0µF 3.0µF 4.0µF 5.0µF				tin foil type, others are aluminum foil construction. 6.0μF
.47μF tin MultiCag .10μF	600V 17.35 pp Metallized Polypropy 200VDC \$4.60 400V 5.25 (\$3. 600V 7.65 200V 4.65 400V 5.45 (\$3. 600V 5.45 (\$3. 200V 4.85 400V 7.65 (\$4. 600V 10.15 200V 5.25 400V 7.65		10.0µF tin .68µF .68µF .82µF .0µF 1.0µF 1.0µF 2.0µF 2.0µF 3.0µF 3.0µF 4.0µF 5.0µF				tin foil type, others are aluminum foil construction. 6.0μF
.47μF tin MultiCcq 10μF 10μF 10μF 22μF 22μF 22μF 33μF 33μF 33μF 47μF 68μF	600V 17.35 pp Metallized Polypropy 200VDC \$4.60 400V 5.25 (\$3. 600V 7.65 200VDC \$4.60 400V 5.25 (\$3. 600V 5.45 (\$3. 600V 8.30 200V 4.85 400V 7.65 (\$4. 600V 10.15 200V 5.25 400V 7.65 600V 11.55 200V 5.80		10.0µF tin .68µF .68µF .68µF .68µF .68µF .60µF 1.0µF 1.0µF 1.0µF 2.0µF 2.0µF 3.0µF 4.0µF 5.0µF 5.0µF	200V 400V 600V 200V 200V 400V 200V 400V 200V 400V 200V 400V 200V 400V 200V 400V 200V 400V 200V 400V		1.65" x 2.30" 50)70" x 1.20"	tin foil type, others are aluminum foil construction. 6.0μF .400V \$26.75 1.50° x 1.80° 7.0μF .200V 19.10 1.00° x 1.80° 8.0μF .200V 17.95 1.10° x 1.80° 10.0μF .200V 23.65 (\$14.25) 1.10° x 2.00° 15.0μF .200V .29.15 1.40° x 2.00° 20.0μF .200V .35.75 1.50° x 2.00° 30.0μF .200V .88.95 1.60° x 2.80° Metallized polypropylene, compact, self heading, moderately priced. Same size lower cost PPMF-2 two section design, priced in (\$).are now exceptional value. All other MultiCaps except values below 0.10µF are ten sections.
.47μF tin MultiCcq 10μF 10μF 10μF 22μF 22μF 22μF 33μF 33μF 33μF 47μF 68μF			10.0µF tin .68µF .68µF .68µF .68µF .68µF .60µF 1.0µF 1.0µF 1.0µF 2.0µF 2.0µF 3.0µF 4.0µF 5.0µF 5.0µF	200V 400V 600V 200V 200V 400V 200V 400V 200V 400V 200V 400V 200V 400V 200V 400V 200V 400V 200V 400V			tin foil type, others are aluminum foil construction. 6.0μF .400V \$26.75 1.50° x 1.80° 7.0μF .200V 19.10 1.00° x 1.80° 8.0μF .200V 17.95 1.10° x 1.80° 10.0μF .200V .23.65 (\$14.25) 1.10° x 2.00° 15.0μF .200V .25.75 1.40° x 2.00° 20.0μF .200V .85.75 1.60° x 2.80° 30.0μF .200V .88.95 1.60° x 2.80° Metallized polypropylene, compact, self heading, moderately priced. Same size lower cost PPMF-2 two section design, priced in (\$).are now exceptional value. All other MultiCaps except values below 0.10µF are ten sections. 1.47µF .2400V \$44.25 1.5° x 1.75°
.47μF tin MultiCcq 10μF 10μF 10μF 22μF 22μF 22μF 33μF 33μF 33μF 47μF 68μF	600V 17.35 pp Metallized Polypropy 200VDC \$4.60 400V 5.25 (\$3. 600V 7.65 200VDC \$4.60 400V 5.25 (\$3. 600V 5.45 (\$3. 600V 8.30 200V 4.85 400V 7.65 (\$4. 600V 10.15 200V 5.25 400V 7.65 600V 11.55 200V 5.80		10.0µF tin .68µF .68µF .68µF .68µF .68µF .60µF 1.0µF 1.0µF 1.0µF 2.0µF 2.0µF 3.0µF 4.0µF 5.0µF 5.0µF	200V 400V 600V 200V 200V 400V 200V 400V 200V 400V 200V 400V 200V 400V 200V 400V 200V 400V 200V 400V		1.65" x 2.30" 50)70" x 1.20"	tin foil type, others are aluminum foil construction. 6.0μF .400V \$26.75 1.50° x 1.80° 7.0μF .200V 19.10 1.00° x 1.80° 8.0μF .200V 17.95 1.10° x 1.80° 10.0μF .200V 23.65 (\$14.25) 1.10° x 2.00° 15.0μF .200V .29.15 1.40° x 2.00° 20.0μF .200V .35.75 1.50° x 2.00° 30.0μF .200V .88.95 1.60° x 2.80° Metallized polypropylene, compact, self heading, moderately priced. Same size lower cost PPMF-2 two section design, priced in (\$)are now exceptional value. All other MultiCaps except values below 0.10μF are ten sections.
.47μF tin MultiCap .10μF	600V 17.35 pp Metallized Polypropy 200VDC \$4.60 400V 5.25 (\$3. 600V 7.65 200V 4.65 400V 5.45 (\$3. 600V 7.65 (\$4. 600V 7.65 (\$4. 600V 7.65 (\$4. 600V 10.15 200V 4.85 400V 7.65 (\$4. 600V 10.15 200V 5.25 400V 7.65 600V 11.55 200V 5.80 200V 5.80		10.0µF tin .68µF .68µF .68µF .82µF 1.0µF 1.0µF 1.0µF 2.0µF 3.0µF 4.0µF 5.0µF 5.0µF 5.0µF	200V 400V 600V 200V 200V 400V 200V 200V 200V 400V 200V 400V 200V 400V 200V 400V 200V 400V 200V 400V 200V 400V 200V 400V 200V 400V 200V 400V 200V 400V 200V 400V 200V 400V			tin foil type, others are aluminum foil construction. 6.0μF .400V \$26.75 7.0μF .200V 19.10 1.00" x 1.80" 8.0μF .200V 17.95 1.10" x 1.80" 10.0μF .200V 23.65 (\$14.25) 1.10" x 2.00" 15.0μF .200V .29.15 1.40" x 2.00" 20.0μF .200V .35.75 1.50" x 2.80" 30.0μF .200V .88.95 1.60" x 2.80" Metallized polypropylene, compact, self healing, moderately priced. Same size lower cost PPMF-2 two section design, priced in (\$).are now exceptional value. All other MultiCaps except values below 0.10µF are ten sections. .47µF .2400V \$44.25 1.5" x 1.75" .68µF .1000V .22.50 .79" x 1.75"
.47μF tin MultiCag .10μF .10μF .10μF .22μF .22μF .22μF .22μF .33μF .33μF .33μF .33μF .33μF .347μF .47μF .68μF .68μF .68μF	600V 17.35 pp Metallized Polypropy 200VDC \$4.60 400V 5.25 (\$3. 600V 7.65 200VDC \$4.60 400V 5.25 (\$3. 600V 7.65 200V 4.65 400V 5.45 (\$3. 600V 8.30 200V 4.85 400V 7.65 (\$4. 600V 10.15 200V 5.25 400V 7.65 200V 5.80 200V 5.80 200V 5.80 200V 5.80		10.0µF tin .68µF .68µF .68µF .82µF 1.0µF 1.0µF 1.0µF 2.0µF 2.0µF 3.0µF 4.0µF 5.0µF 5.0µF 5.0µF 5.0µF 1.0µF	200V 400V 200V 200V 200V 400V 400V 200V 400V 400V 400V 200V 400V 400V 200V 400V			tin foil type, others are aluminum foil construction. 6.0μF .400V \$26.75 1.50" x 1.80" 7.0μF .200V 19.10 1.00" x 1.80" 8.0μF .200V 17.95 1.10" x 1.80" 10.0μF .200V 23.65 (\$14.25) 1.10" x 2.00" 15.0μF .200V .29.15 1.40" x 2.00" 20.0μF .200V .35.75 1.50" x 2.00" 30.0μF .200V .88.95 1.60" x 2.80" Metallized polypropylene, compact, self healing, moderately priced. Same size lower cost PPMF-2 two section design, priced in (\$).care now exceptional value. All other MultiCaps except values below 0.10µF are ten sections. .47µF .2400V \$44.25. 1.5" x 1.75" .68µF .1000V .22.50 .79" x 1.75"
.47μF tin MultiCag .10μF .10μF .22μF .22μF .22μF .33μF .33μF .33μF .47μF .47μF .47μF .47μF .47μF .47μF .47μF .00μF	600V 17.35 pp Metallized Polypropy 200VDC \$4.60 400V 5.25 (\$3. 600V 7.65 200VDC 4.65 400V 5.45 (\$3. 600V 7.65 400V 5.45 (\$3. 600V 4.85 400V 7.65 (\$4. 600V 10.15 200V 5.25 400V 7.65 600V 11.55 200V 5.80 200V 5.80 200V 5.80 200V 5.80 200V 5.80		10.0µF tin .68µF .68µF .68µF .68µF .82µF 1.0µF 1.0µF 1.0µF 2.0µF 2.0µF 2.0µF 3.0µF 3.0µF 4.0µF 5.0µF 5.0µF 5.0µF 1.0µF	200V 400V 600V 200V 200V 400V 600V 200V 200V 200V 400V 400V			tin foil type, others are aluminum foil construction. 6.0μF .400V \$26.75 1.50" x 1.80" 7.0μF .200V 19.10 1.00" x 1.80" 8.0μF .200V 17.95 1.10" x 1.80" 10.0μF .200V 23.65 (\$14.25) 1.10" x 2.00" 15.0μF .200V .29.15 1.40" x 2.00" 20.0μF .200V .35.75 1.50" x 2.00" 30.0μF .200V .88.95 1.60" x 2.80" Metallized polypropylene, compact, self headling, moderately priced. Same size lower cost PPMF-2 two section design, priced in (\$).are now exceptional value. All other MultiCaps except values below 0.10μF are ten sections. .47μF .2400V \$44.25 1.5" x 1.75" .68μF 1000V .22.50 .79" x 1.75" .68μF 1500V .32.15 1.25" x 1.75" .0μF .1500V .40.65 1.45" x 1.75"
.47μF tin MultiCag .10μF .10μF .22μF .22μF .22μF .22μF .33μF .33μF .47μF .47μF .47μF .47μF .68μF AudioCag 40μF .50μF .50μF	.600V 17.35		10.0µF tin	200V 400V 600V 200V 200V 400V 200V 200V 200V 400V 200V			tin foil type, others are aluminum foil construction. 6.0µF .400V \$26.75 1.50" x 1.80" 7.0µF .200V 19.10 1.00" x 1.80" 8.0µF .200V 17.95 1.10" x 1.80" 10.0µF .200V 23.65 (\$14.25) 1.10" x 2.00" 15.0µF .200V .29.15 1.40" x 2.00" 20.0µF .200V .5.75 1.50" x 2.80" 30.0µF .200V .88.95 1.60" x 2.80" Metallized polypropylene, compact, self heading, moderately priced. Same size lower cost PPMF-2 two section design, priced in (\$).are now exceptional value. All other MultiCaps except values below 0.10µF are ten sections. .47µF .2400V \$44.25 1.5" x 1.75" .68µF 1000V .22.50 .79" x 1.75" .68µF 1500V .32.15 1.25" x 1.75" .0µF .1500V .265 .145" x 1.75"
.47μF tin MultiCag .10μF	600V 17.35 pp Metallized Polypropy 200VDC \$4.60 400V 5.25 (\$3. 600V 7.65 200VDC \$4.60 400V 5.25 (\$3. 600V 7.65 (\$4.60 200V 4.65 400V 5.45 (\$3. 600V 8.30 200V 4.85 400V 7.65 (\$4. 600V 10.15 200V 5.25 400V 7.65 (\$40 600V 11.55 200V 5.80		10.0µF tin .68µF .68µF .68µF .68µF .68µF .68µF .6µF 1.0µF 1.0µF 1.0µF 2.0µF 2.0µF 3.0µF 4.0µF 4.0µF 5.0µF 5.0µF 1.0µF .10µF .10µF .10µF .10µF .10µF .22µF .22µF	200V 400V 200V 200V 200V 400V 200V 200V 400V 200V			tin foil type, others are aluminum foil construction. 6.0μF .400V \$26.75 1.50" x 1.80" 7.0μF .200V 19.10 1.00" x 1.80" 8.0μF .200V 17.95 1.10" x 1.80" 10.0μF .200V 23.65 (\$14.25) 1.10" x 2.00" 15.0μF .200V .29.15 1.40" x 2.00" 20.0μF .200V .35.75 1.50" x 2.00" 30.0μF .200V .88.95 1.60" x 2.80" Metallized polypropylene, compact, self headling, moderately priced. Same size lower cost PPMF-2 two section design, priced in (\$).are now exceptional value. All other MultiCaps except values below 0.10μF are ten sections. .47μF .2400V \$44.25 1.5" x 1.75" .68μF 1000V .22.50 .79" x 1.75" .68μF 1500V .32.15 1.25" x 1.75" .0μF .1500V .40.65 1.45" x 1.75"
.47μF tin MultiCag .10μF	.600V 17.35		10.0µF tin .68µF .68µF .68µF .68µF .68µF .68µF .6µF 1.0µF 1.0µF 1.0µF 2.0µF 2.0µF 3.0µF 4.0µF 4.0µF 5.0µF 5.0µF 1.0µF .10µF .10µF .10µF .10µF .10µF .22µF .22µF	200V 400V 200V 200V 200V 400V 200V 200V 400V 200V			tin foil type, others are aluminum foil construction. 6.0μF .400V \$26.75 7.0μF .200V 19.10 1.00" x 1.80" 8.0μF .200V 17.95 1.10" x 1.80" 10.0μF .200V 23.65 (\$14.25) 1.10" x 2.00" 15.0μF .200V 29.15 1.40" x 2.00" 20.0μF .200V 35.75 1.50" x 2.00" 30.0μF .200V .88.95 1.60" x 2.80" Metallized polypropylene, compact, self healing, moderately priced. Same size lower cost PPMF-2 two section design, priced in (\$).are now exceptional value. All other MultiCaps except values below 0.10µF are ten sections. .47µF .2400V \$44.25 1.5" x 1.75" .6µµF 1000V .22.50 .79" x 1.75" .6µµF .1500V .32.15 1.25" x 1.75" .6µµF .1500V .32.15 .1.25" x 1.75" .6µµF .1500V .40.65 .1.45" x 1.75"
.47μF tin MultiCag .10μF .10μF .22μF .22μF .22μF .22μF .33μF .33μF .33μF .47μF	600V 17.35 pp Metallized Polypropy 200VDC \$4.60 400V 5.25 (\$3. 600V 7.65 200VDC \$4.60 200V 4.65 200V 5.45 (\$3. 600V 8.30 200V 4.85 400V 7.65 (\$4. 600V 10.15 200V 5.25 400V 7.65 600V 11.55 200V 5.80 200V 5.35 100V 57.35 100V		10.0µF tin .68µF .68µF .68µF .68µF .68µF .62µF 1.0µF 1.0µF 2.0µF 2.0µF 2.0µF 3.0µF 4.0µF 5.0µF 5.0µF 4.0µF 5.0µF 5.0µF 3.0µF 4.0µF 3.0µF 4.0µF 3.0µF 4.0µF 3.0µF 3.0µF	200V 400V 600V 200V 200V 400V 200V 200V 200V 200V 400V 200V 400V 200V 400V 200V 400V 200V 400V 200V 400V 200V 400V 200V 400V 200V 400V 200V 400V 200V 400V 200V 400V 200V 400V 200V 400V 200V 400V 200V 400V 200V 400V 200V 400V 200V 400V 400V 200V 400V			tin foil type, others are aluminum foil construction. 6.0μF .400V \$26.75 1.50" x 1.80" 7.0μF .200V 19.10 1.00" x 1.80" 8.0μF .200V 17.95 1.10" x 1.80" 10.0μF .200V 23.65 (\$14.25) 1.10" x 2.00" 15.0μF .200V .29.15 1.40" x 2.00" 20.0μF .200V .29.15 1.60" x 2.00" 30.0μF .200V .35.75 1.50" x 2.00" 30.0μF .200V .36.895 1.60" x 2.80" Metallized polypropylene, compact, self healing, moderately priced Same size lower cost PPMF-2 two section design, priced in (\$)are now exceptional value. All other MultiCaps except values below 0.10μF are ten sections. 47μF .2400V \$44.25 1.5" x 1.75" .68μF .1000V .22.50 .79" x 1.75" .68μF .1500V .32.15 .125" x 1.75"
.47μF tin MultiCag .10μF .10μF .22μF .22μF .22μF .22μF .33μF .33μF .33μF .47μF	600V 17.35 pp Metallized Polypropy 200VDC \$4.60 400V 5.25 (\$3. 600V 7.65 200VDC \$4.60 400V 5.25 (\$3. 600V 7.65 (\$4.60 200V 4.65 400V 5.45 (\$3. 600V 8.30 200V 4.85 400V 7.65 (\$4. 600V 10.15 200V 5.25 400V 7.65 (\$40 600V 11.55 200V 5.80		10.0µF tin .68µF .68µF .68µF .68µF .68µF .62µF 1.0µF 1.0µF 2.0µF 2.0µF 2.0µF 3.0µF 4.0µF 5.0µF 5.0µF 5.0µF 1.0µF 3.0µF 4.0µF 3.0µF 4.0µF 5.0µF 5.0µF 3.0µF 4.0µF 3.0µF	200V 400V 600V 200V 200V 400V 200V 200V 200V 200V 400V 200V 400V 200V 400V 200V 400V 200V 400V 200V 400V 200V 400V 200V 400V 200V 400V 200V 400V 200V 400V 200V 400V 200V 400V 200V 400V 200V 400V 200V 400V 200V 400V 200V 400V 200V 400V 400V 200V 400V			tin foil type, others are aluminum foil construction. 6.0μF .400V \$26.75 7.0μF .200V 19.10 1.0° x 1.80° 8.0μF .200V 17.95 1.10° x 1.80° 10.0μF .200V 23.65 (\$14.25) 1.10° x 2.00° 15.0μF .200V .23.65 (\$14.25) 1.0° x 2.00° 20.0μF .200V .35.75 1.50° x 2.00° 30.0μF .200V .35.75 1.60° x 2.80° Metallized polypropylene, compact, self heading, moderately priced. Same size lower cost PPMF-2 two section design, priced in (\$).are now exceptional value. All other MultiCaps except values below 0.10µF are ten sections. .47µF .2400V \$44.25 1.5° x 1.75° .6µF 1000V .22.50 .79° x 1.75° .6µF 1500V .32.15 1.25' x 1.75° .6µF 1500V .32.15 1.25' x 1.75° .6µF .1500V .40.65 .145'' x 1.75'' .6µF .1500V .40.65 .145'' x 1.75''
.47μF tin MultiCag .10μF			10.0µF tin	200V 400V 600V 200V 200V 200V 200V 200V 200V 400V 200V 200V 400V 200V 200V 1500VDC 2400V 1500V 2			tin foil type, others are aluminum foil construction. 6.0μF .400V \$26.75 1.50° x 1.80° 7.0μF .200V 19.10 1.00° x 1.80° 8.0μF .200V 17.95 1.10° x 1.80° 10.0μF .200V 23.65 (\$14.25) 1.0° x 2.00° 15.0μF .200V .25.75 1.40° x 2.00° 20.0μF .200V .5.75 1.60° x 2.80° 30.0μF .200V .88.95 1.60° x 2.80° Metallized polypropylene, compact, self heatling, moderately priced. Same size lower cost PPMF-2 two section design, priced in (\$).are now exceptional value. All other MultiCaps except values below 0.10µF are ten sections. .47µF .2400V \$44.25 1.5° x 1.75° .68µF .1000V .22.50 .79° x 1.75° .0µF .1500V .40.65 1.45° x 1.75° .0µF .1500V .215 .1.25° x 1.75° .0µF .1500V .40.55 .1.45° x 1.75° .0µF .1500V .40.55 .1.45° x 1.75° .0µF .1500V .215 .1.25° x 1.75°
.47μF tin MultiCag .10μF	600V 17.35 pp Metallized Polypropy 200VDC \$4.60 400V 5.25 (\$3. 600V 7.65 200VDC \$4.60 200V 4.65 200V 5.45 (\$3. 600V 8.30 200V 4.85 400V 7.65 (\$4. 600V 10.15 200V 5.25 400V 7.65 600V 11.55 200V 5.80 200V 5.35 100V 57.35 100V		10.0µF tin .68µF .68µF .68µF .82µF 1.0µF 1.0µF 1.0µF 2.0µF 2.0µF 2.0µF 3.0µF 4.0µF 4.0µF 5.0µF 5.0µF 5.0µF 5.0µF .0µF .0µF .22µF .22µF .22µF .33µF .47µF .01µF	200V 400V 200V 200V 200V 200V 200V 400V 200V 200V 400V 200V			tin foil type, others are aluminum foil construction. 6.0μF .400V \$26.75 1.50" x 1.80" 7.0μF .200V 19.10 1.00" x 1.80" 8.0μF .200V 17.95 1.10" x 1.80" 10.0μF .200V 23.65 (\$14.25) 1.10" x 2.00" 15.0μF .200V 29.15 1.40" x 2.00" 20.0μF .200V 35.75 1.60" x 2.00" 30.0μF .200V .88.95 1.60" x 2.80" Metallized polypropylene, compact, self healing, moderately priced. Same size lower cost PPMF-2 two section design, priced in (\$)care now exceptional value. All other MultiCaps except values below 0.10µF are ten sections. .47µF .2400V \$44.25 1.5" x 1.75" .68µF .1000V .22.50 .79" x 1.75" .68µF .1500V .32.15 1.25" x 1.75" .0µF .1500V .40.65 1.45" x 1.75" .0µF .1500V .40.65 .1.45" x 1.75" .0µG .1500V .1.45" x 1.75" .0µG/Cap PPMFs are excellent for speaker crossovers and big power supply bypasses. The high voltage PPMTs are superb as coupling caps or for el
.47μF tin MultiCag .10μF .10μF .22μF .22μF .22μF .22μF .33μF .33μF .33μF .47μF	600V 17.35 pp Metallized Polypropy 200VDC \$4.60 400V 5.25 (\$3. 600V 7.65 200VDC 4.65 400V 5.45 (\$3. 600V 4.65 400V 5.45 (\$3. 600V 4.85 400V 7.65 (\$4. 600V 10.15 200V 5.25 400V 7.65 600V 11.55 200V 5.26 200V 5.80 200V 5.80 200V 5.80 200V 5.275 100V 52.75 100V 52.55 100V 67.15 100V 73.65 200V 73.65		10.0µF tin .68µF .68µF .68µF .68µF .68µF .62µF 1.0µF 1.0µF 2.0µF 2.0µF 2.0µF 3.0µF 4.0µF 5.0µF 5.0µF 3.0µF 4.0µF 3.0µF 4.0µF 3.0µF 4.0µF 5.0µF 5.0µF 3.0µF 4.0µF 3.0µF 4.0µF 3.0µF 4.0µF 3.0µF 4.0µF 3.0µF 3.3µF .47µF .01µF .01µF	200V 400V 600V 200V 200V 200V 400V 200V 200V 200V 200V 400V 400V 200V 400V			tin foil type, others are aluminum foil construction. 6.0μF .400V \$26.75 1.50" x 1.80" 7.0μF .200V 19.10 1.00" x 1.80" 8.0μF .200V 17.95 1.10" x 1.80" 10.0μF .200V 23.65 (\$14.25) 1.10" x 2.00" 15.0μF .200V .29.15 1.40" x 2.00" 20.0μF .200V .29.15 1.60" x 2.00" 30.0μF .200V .29.15 1.60" x 2.00" 30.0μF .200V .35.75 1.50" x 2.00" 30.0μF .200V .88.95 1.60" x 2.80" Metallized polypropylene, compact, self heatling, moderately priced Same size lower cost PPMF-2 two section design, priced in (\$)are now exceptional value. All other MultiCaps except values below 0.10μF are ten sections. .47μF .2400V \$44.25 1.5" x 1.75" .68μF .1500V .22.15 1.25" x 1.75" .0μF .1500V .22.15 1.25" x 1.75" .0μF .1500V .22.15 1.25" x 1.75" .0μF .1500V .22.15 .15" x 1.75"
.47μF tin MultiCag .10μF .10μF .22μF .22μF .22μF .33μF .33μF .33μF .47μF .47μF .47μF .68μF .00μF .00μF .00μF .00μF 50μF 50μF 50μF 50μF 50μF 50μF 50μF 50μF 50μF 	600V 17.35 pp Metallized Polypropy 200VDC \$4.60 400V 5.25 (\$3. 600V 7.65 200VDC 4.65 400V 5.45 (\$3. 400V 5.45 (\$3. 600V 8.30 200V 4.85 400V 7.65 (\$4. 600V 10.15 200V 5.25 400V 7.65 600V 11.55 200V 5.25 400V 7.65 600V 11.55 200V 5.26 100V 52.75 100V 52.75 100V 52.75 100V 59.35 100V 52.75 100V 57.5 100V 52.75 100V 53.65 100V 73.65 100V 73.65 00V 73.65 600VDC \$6.85		10.0µF tin	200V 400V 600V 200V 200V 200V 400V 200V 200V 400V 200V 200V 400V 200V			tin foil type, others are aluminum foil construction. 6.0μF .400V \$26.75 1.50" x 1.80" 7.0μF .200V 19.10 1.00" x 1.80" 8.0μF .200V 17.95 1.10" x 1.80" 10.0μF .200V 23.65 (\$14.25) 1.10" x 2.00" 15.0μF .200V .29.15 1.40" x 2.00" 20.0μF .200V .35.75 1.50" x 2.00" 30.0μF .200V .35.75 1.60" x 2.80" Metallized polypropylene, compact, self heading, moderately priced. Same size lower cost PPMF-2 two section design, priced in (\$).are now exceptional value. All other MultiCaps except values below 0.10µF are ten sections. .47µF .2400V \$44.25 1.5" x 1.75" .68µF 1000V .22.50 .79" x 1.75" .0µF 1500V .40.65 1.45" x 1.75" .0µF .1500V .40.65 .145" x 1.75" .0µF .1500V .40.65 .145" x 1.75" .0µF .1500V .40.65 .145" x 1.75" .0µGE .200V \$7.65 .40" x 1.0" <tr< td=""></tr<>
.47μF tin MultiCag .10μF .10μF .22μF .22μF .22μF .33μF .33μF .33μF .47μF .47μF .47μF .68μF .00μF .00μF .00μF .00μF 50μF 50μF 50μF 50μF 50μF 50μF 50μF 50μF 50μF 	600V 17.35 pp Metallized Polypropy 200VDC \$4.60 400V 5.25 (\$3. 600V 7.65 200VDC 4.65 400V 5.45 (\$3. 600V 4.65 400V 5.45 (\$3. 600V 4.85 400V 7.65 (\$4. 600V 10.15 200V 5.25 400V 7.65 600V 11.55 200V 5.26 200V 5.80 200V 5.80 200V 5.80 200V 5.275 100V 52.75 100V 52.55 100V 67.15 100V 73.65 200V 73.65		10.0µF tin	200V 400V 600V 200V 200V 200V 400V 200V 200V 400V 200V 200V 400V 200V			tin foil type, others are aluminum foil construction. 6.0μF .400V \$26.75 1.50" x 1.80" 7.0μF .200V 19.10 1.00" x 1.80" 8.0μF .200V 17.95 1.10" x 1.80" 10.0μF .200V .23.65 (\$14.25) 1.0" x 2.00" 15.0μF .200V .29.15 1.40" x 2.00" 20.0μF .200V .35.75 1.50" x 2.00" 30.0μF .200V .88.95 1.60" x 2.80" Metallized polypropylene, compact, self heading, moderately priced. Same size lower cost PPMF-2 two section design, priced in (\$).are now exceptional value. All other MultiCaps except values below 0.10µF are ten sections. .47µF .2400V \$44.25 1.5" x 1.75" .68µF 1000V .22.50 .79" x 1.75" .0µF 1500V .40.65 1.45" x 1.75" .0µF .1500V .40.65 .145" x 1.75" .0µF .1500V .40.65 .145" x 1.75" .0µF .150V .40.65 .145" x 1.75" .0µGE .200V \$7.65 .40" x 1.0"
.47μF tin MultiCag .10μF .10μF .22μF .22μF .22μF .22μF .22μF .33μF .33μF .33μF .33μF .33μF .33μF .347μF .47μF .68μF .68μF .68μF .68μF .68μF .68μF .68μF .68μF .00μF	600V 17.35 pp Metallized Polypropy 200VDC \$4.60 400V 5.25 (\$3. 600V 7.65 200V 4.65 200V 5.45 (\$3. 600V 7.65 (\$4.60 200V 4.65 400V 5.45 (\$3. 600V 8.30 200V 4.85 400V 7.65 (\$4. 600V 10.15 200V 5.25 400V 7.65 (\$4. 600V 10.15 200V 5.80 200V 5.93 100V 52.35 100V 52.35 100V 52.35 100V 52.35 100V 52.35 <tr< td=""><td></td><td>10.0µF tin .68µF .68µF .68µF .68µF .68µF .68µF .6µF 1.0µF 1.0µF 1.0µF 2.0µF 2.0µF 3.0µF 4.0µF 4.0µF 5.0µF 5.0µF 2.0µF 2.0µF 2.0µF 3.0µF 4.0µF .0µF .01µF .015µF .015µF .015µF .015µF</td><td>200V 400V 600V 200V 200V 400V 200V 200V 400V 200V 200V 400V 200V 400V 200V</td><td></td><td></td><td>tin foil type, others are aluminum foil construction. 6.0μF .400V \$26.75 1.50" x 1.80" 7.0μF .200V 19.10 1.00" x 1.80" 8.0μF .200V 17.95 1.10" x 1.80" 10.0μF .200V 23.65 (\$14.25) 1.10" x 2.00" 15.0μF .200V .29.15 1.40" x 2.00" 20.0μF .200V .35.75 1.50" x 2.00" 30.0μF .200V .88.95 1.60" x 2.80" Metallized polypropylene, compact, self healing, moderately priced. Same size lower cost PPMF-2 two section design, priced in (\$, Care now exceptional value. All other MultiCaps except values below 0.10μF are ten sections. .47μF .2400V \$44.25 1.5" x 1.75" .68μF .1000V .22.50 .79" x 1.75" .68μF .1500V .32.15 1.25" x 1.75" .0μF .1500V .40.55 .1.45" x 1.75" <!--</td--></td></tr<>		10.0µF tin .68µF .68µF .68µF .68µF .68µF .68µF .6µF 1.0µF 1.0µF 1.0µF 2.0µF 2.0µF 3.0µF 4.0µF 4.0µF 5.0µF 5.0µF 2.0µF 2.0µF 2.0µF 3.0µF 4.0µF .0µF .01µF .015µF .015µF .015µF .015µF	200V 400V 600V 200V 200V 400V 200V 200V 400V 200V 200V 400V 200V 400V 200V			tin foil type, others are aluminum foil construction. 6.0μF .400V \$26.75 1.50" x 1.80" 7.0μF .200V 19.10 1.00" x 1.80" 8.0μF .200V 17.95 1.10" x 1.80" 10.0μF .200V 23.65 (\$14.25) 1.10" x 2.00" 15.0μF .200V .29.15 1.40" x 2.00" 20.0μF .200V .35.75 1.50" x 2.00" 30.0μF .200V .88.95 1.60" x 2.80" Metallized polypropylene, compact, self healing, moderately priced. Same size lower cost PPMF-2 two section design, priced in (\$, Care now exceptional value. All other MultiCaps except values below 0.10μF are ten sections. .47μF .2400V \$44.25 1.5" x 1.75" .68μF .1000V .22.50 .79" x 1.75" .68μF .1500V .32.15 1.25" x 1.75" .0μF .1500V .40.55 .1.45" x 1.75" </td
.47μF tin MultiCag .10μF .10μF .22μF .22μF .22μF .33μF .33μF .33μF .47μF .47μF .47μF .47μF .47μF .47μF .47μF .68μF .00μF .001μF .001μF .001μF .001μF .001μF .001μF	600V 17.35 pp Metallized Polypropy 200VDC \$4.60 400V 5.25 (\$3. 600V 7.65 200VDC \$4.65 200V 4.65 200V 4.65 400V 5.45 (\$3. 600V 8.30 200V 4.85 400V 7.65 (\$4.60 200V 4.85 400V 7.65 (\$4.60 200V 5.25 400V 7.65 (\$4.00 200V 5.26 400V 7.65 600V 10.15 200V 5.80 200V 59.35 100V 67.15 100V 73.65 Polystyrene & Tin Foil 5 600VDC \$6.85 600V 6.85 <td></td> <td>10.0µF tin .68µF .68µF .68µF .68µF .68µF .62µF 1.0µF 1.0µF 1.0µF 2.0µF 2.0µF 3.0µF 4.0µF 5.0µF 5.0µF 2.0µF 3.0µF 4.0µF 5.0µF 5.0µF 22µF .3µF .47µF .015µF .015µF .015µF .022µF</td> <td>200V 400V 200V 200V 200V 400V 200V 200V 200V 200V 400V 400V 200V 400V 200V 400V 400V 400V 200V 400V 400V 200V 400V 400V 200V 400V</td> <td></td> <td></td> <td>tin foil type, others are aluminum foil construction. 6.0μF .400V \$26.75 1.50" x 1.80" 7.0μF .200V 19.10 1.00" x 1.80" 8.0μF .200V 17.95 1.10" x 1.80" 10.0μF .200V 23.65 (\$14.25) 1.10" x 2.00" 15.0μF .200V 29.15 1.40" x 2.00" 20.0μF .200V .29.15 1.60" x 2.00" 30.0μF .200V .29.15 1.60" x 2.00" 30.0μF .200V .35.75 1.50" x 2.00" 30.0μF .200V .88.95 1.60" x 2.80" Metallized polypropylene, compact, self heading, moderately priced in (\$)<i>are now exceptional value</i>. All other <i>MultiCaps</i> except values below 0.10μF are ten sections. .47μF .2400V \$44.25 1.5" x 1.75" .68μF 1500V .22.15 1.25" x 1.75" .0μF .100V .22.50 .79" x 1.75" .40μcGap PPMFs are excellent for speaker crossovers and big power supply bypasses. The high voltage PPMTs are superb as coupling caps or for electroslatics. No 1% matches for PPMT type due to limited stock. .068μF .200V</td>		10.0µF tin .68µF .68µF .68µF .68µF .68µF .62µF 1.0µF 1.0µF 1.0µF 2.0µF 2.0µF 3.0µF 4.0µF 5.0µF 5.0µF 2.0µF 3.0µF 4.0µF 5.0µF 5.0µF 22µF .3µF .47µF .015µF .015µF .015µF .022µF	200V 400V 200V 200V 200V 400V 200V 200V 200V 200V 400V 400V 200V 400V 200V 400V 400V 400V 200V 400V 400V 200V 400V 400V 200V 400V			tin foil type, others are aluminum foil construction. 6.0μF .400V \$26.75 1.50" x 1.80" 7.0μF .200V 19.10 1.00" x 1.80" 8.0μF .200V 17.95 1.10" x 1.80" 10.0μF .200V 23.65 (\$14.25) 1.10" x 2.00" 15.0μF .200V 29.15 1.40" x 2.00" 20.0μF .200V .29.15 1.60" x 2.00" 30.0μF .200V .29.15 1.60" x 2.00" 30.0μF .200V .35.75 1.50" x 2.00" 30.0μF .200V .88.95 1.60" x 2.80" Metallized polypropylene, compact, self heading, moderately priced in (\$) <i>are now exceptional value</i> . All other <i>MultiCaps</i> except values below 0.10μF are ten sections. .47μF .2400V \$44.25 1.5" x 1.75" .68μF 1500V .22.15 1.25" x 1.75" .0μF .100V .22.50 .79" x 1.75" .40μcGap PPMFs are excellent for speaker crossovers and big power supply bypasses. The high voltage PPMTs are superb as coupling caps or for electroslatics. No 1% matches for PPMT type due to limited stock. .068μF .200V
.47μF tin MultiCag .10μF .10μF .22μF .22μF .22μF .33μF .33μF .33μF .47μF .47μF .47μF .47μF .68μF .00μF .50μF .60μF .00μF .00μF .00μF .001μF .001μF .0012μF .003μF .003μF	600V 17.35 pp Metallized Polypropy 200VDC \$4.60 400V 5.25 (\$3. 600V 7.65 200VDC \$4.65 400V 5.45 (\$3. 600V 8.30 200V 4.85 400V 7.65 (\$4. 600V 7.65 600V 10.15 200V 5.25 400V 7.65 600V 11.55 200V 5.25 400V 7.65 600V 1.55 200V 5.25 100V 52.75 100V 52.75 100V 52.75 100V 52.75 100V 52.36 00V 67.15 100V 73.65 Polystyrene & Tin Foil 5 600VDC \$6.85 600V 6.85 600V 6.85		10.0µF tin .68µF .68µF .68µF .82µF 1.0µF 1.0µF 1.0µF 2.0µF 2.0µF 2.0µF 3.0µF 3.0µF 3.0µF 4.0µF 5.0µF 5.0µF 2.0µF 3.0µF 4.0µF 5.0µF 5.0µF 2.2µF .2µF .2µF .0µF .01µF .01µF .01µF .01µF .01µF .01µF .01µF .01µF .02µF .03µF	200V 400V 600V 200V 200V 400V 200V 200V 200V 400V 400V 200V 400V 400V 400V 200V 400V			tin foil type, others are aluminum foil construction. 6.0μF .400V \$26.75 1.50" x 1.80" 7.0μF .200V 19.10 1.00" x 1.80" 8.0μF .200V 17.95 1.10" x 1.80" 10.0μF .200V .23.65 (\$14.25) 1.10" x 2.00" 15.0μF .200V .29.15 1.40" x 2.00" 20.0μF .200V .35.75 1.50" x 2.00" 20.0μF .200V .35.75 1.60" x 2.80" Metallized polypropylene, compact, self heading, moderately priced. Same size lower cost PPMF-2 two section design, priced in (\$).are now exceptional value. All other MultiCaps except values below 0.10µF are ten sections. .47µF .2400V \$44.25 1.5" x 1.75" .68µF 1000V .22.50 .79" x 1.75" .0µF .1500V .40.51 1.45" x 1.75" .0µF .1500V .32.15 1.25" x 1.75" .0µF .150V .40.51 .145" x 1.75" .0µF .150V .40.51 .15" .0µF .150V .40.55 .145" x 1.75"
.47μF tin MultiCag .10μF .10μF .22μF .22μF .22μF .33μF .33μF .33μF .33μF .47μF .47μF .47μF .47μF .68μF .004F .50μF .60μF .004F .004F .004F .001μF .0015μF .003μF .003μF .003μF .003μF	600V 17.35 pp Metallized Polypropy 200VDC \$4.60 400V 5.25 (\$3. 600V 7.65 200VDC \$4.60 400V 5.25 (\$3. 600V 8.30 200V 4.65 400V 5.45 (\$3. 600V 8.30 200V 4.85 400V 7.65 (\$4. 600V 10.15 200V 5.25 400V 7.65 (\$4. 600V 11.55 200V 5.80 200V 5.81 100VDC \$40.65 100V 52.35 100V 52.35 100V 52.35 100V 53.5		10.0µF tin .68µF .68µF .68µF .68µF .68µF .68µF .61µF 1.0µF 1.0µF 1.0µF .0µF 2.0µF 3.0µF 4.0µF 4.0µF 5.0µF 5.0µF 2.2µF .22µF .22µF .22µF .22µF .22µF .22µF .21µF .01µF .015µF .022µF .022µF .022µF .03µF .03µF	200V 400V 200V 200V 200V 200V 200V 200V 200V 400V 400V 200V 400V 400V 400V 200V 400V 400V 200V 400V 400V 200V 400V 200V 400V 200V 400V 200V 400V 200V 400V			tin foil type, others are aluminum foil construction. 6.0μF .400V \$26.75 1.50° x 1.80° 7.0μF .200V 19.10 1.00° x 1.80° 8.0μF .200V 17.95 1.10° x 1.80° 10.0μF .200V 23.65 (\$14.25) 1.0° x 2.00° 15.0μF .200V .25.75 1.60° x 2.00° 20.0μF .200V .35.75 1.60° x 2.00° 30.0μF .200V .368.95 1.60° x 2.00° moderately priced. Same size lower cost PPMF-2 two section design, priced in (\$).are now exceptional value. All other MultiCaps except values below 0.10µF are ten sections. 1.5° x 1.75° .68µF .1000V .22.50 .79° x 1.75° .0μF .1500V .40.5
.47μF tin MultiCag .10μF .10μF .22μF .22μF .22μF .22μF .33μF .33μF .33μF .47μF .47μF .47μF .68μF .001μF .00μF .001μF .001μF .001μF .002μF .003μF .003μF .003μF .003μF .003μF .003μF .003μF .003μF .003μF .003μF .003μF .0047μF	600V 17.35 pp Metallized Polypropy 200VDC \$4.60 400V 5.25 (\$3. 600V 7.65 200VDC \$4.60 200V 4.65 400V 5.45 (\$3. 600V 8.30 200V 4.85 400V 7.65 (\$4. 600V 10.15 200V 5.25 400V 7.65 (\$4. 600V 10.15 200V 5.26 400V 7.65 600V 11.55 200V 5.80 Cap Metallized Polyprop 100VDC \$40.65 100V 52.35 00V 59.35 00V 59.35 00V 59.35 00V 54.85		10.0µF tin .68µF .68µF .68µF .68µF .68µF .68µF .61µF 1.0µF 1.0µF 1.0µF .0µF 2.0µF 3.0µF 4.0µF 4.0µF 5.0µF 5.0µF 2.2µF .22µF .22µF .22µF .22µF .22µF .22µF .21µF .01µF .015µF .022µF .022µF .022µF .03µF .03µF	200V 400V 200V 200V 200V 200V 200V 200V 200V 400V 400V 200V 400V 400V 400V 200V 400V 400V 200V 400V 400V 200V 400V 200V 400V 200V 400V 200V 400V 200V 400V			tin foil type, others are aluminum foil construction. 6.0μF .400V \$26.75 1.50" x 1.80" 7.0μF .200V 19.10 1.00" x 1.80" 8.0μF .200V 17.95 1.10" x 1.80" 10.0μF .200V .23.65 (\$14.25) 1.10" x 2.00" 15.0μF .200V .29.15 1.40" x 2.00" 20.0μF .200V .35.75 1.50" x 2.00" 20.0μF .200V .35.75 1.60" x 2.80" Metallized polypropylene, compact, self heading, moderately priced. Same size lower cost PPMF-2 two section design, priced in (\$).are now exceptional value. All other MultiCaps except values below 0.10µF are ten sections. .47µF .2400V \$44.25 1.5" x 1.75" .68µF 1000V .22.50 .79" x 1.75" .0µF .1500V .40.51 1.45" x 1.75" .0µF .1500V .32.15 1.25" x 1.75" .0µF .150V .40.51 .145" x 1.75" .0µF .150V .40.51 .15" .0µF .150V .40.55 .145" x 1.75"
.47μF tin MultiCag .10μF .10μF .22μF .22μF .22μF .22μF .33μF .33μF .33μF .47μF .47μF .47μF .68μF .001μF .00μF .001μF .001μF .001μF .002μF .003μF .003μF .003μF .003μF .003μF .003μF .003μF .003μF .003μF .003μF .003μF .0047μF	600V 17.35 pp Metallized Polypropy 200VDC \$4.60 400V 5.25 (\$3. 600V 7.65 200VDC \$4.60 400V 5.25 (\$3. 600V 8.30 200V 4.65 400V 5.45 (\$3. 600V 8.30 200V 4.85 400V 7.65 (\$4. 600V 10.15 200V 5.25 400V 7.65 (\$4. 600V 11.55 200V 5.80 200V 5.81 100VDC \$40.65 100V 52.35 100V 52.35 100V 52.35 100V 53.5		10.0µF tin .68µF .68µF .68µF .68µF .68µF .82µF 1.0µF 1.0µF 1.0µF 2.0µF 2.0µF 3.0µF 4.0µF 5.0µF 5.0µF 10µF .0µF .0µF	200V 400V 600V 200V 200V 400V 400V 200V 400V 400V 400V 200V 400V 400V 400V 400V 400V 400V 400V 200V 400V			tin foil type, others are aluminum foil construction. 6.0μF .400V \$26.75 1.50" x 1.80" 7.0μF .200V 19.10 1.00" x 1.80" 8.0μF .200V 17.95 1.10" x 1.80" 10.0μF .200V 23.65 (\$14.25) 1.10" x 2.00" 15.0μF .200V 29.15 1.40" x 2.00" 20.0μF .200V .29.15 1.60" x 2.00" 30.0μF .200V .29.15 1.60" x 2.00" 30.0μF .200V .35.75 1.50" x 2.00" 30.0μF .200V .88.95 1.60" x 2.80" Metallized polypropylene, compact, self heading, moderately priced in (\$)are now exceptional value. All other MultiCaps except values below 0.10μF are ten sections. 47μF .2400V \$44.25 1.5" x 1.75" .68μF 1000V .22.50 .79" x 1.75" .68μF 1000V .22.50 .79" x 1.75" .0μGcap PPMFs are excellent for speaker crossovers and big power supply bypasses. The high voltage PPMTs are superb as coupling caps or for electrostatics. No 1% matches for PPMT type due to limited stock. .068μF .200V
.47μF tin MultiCag .10μF .10μF .22μF .22μF .22μF .33μF .33μF .33μF .47μF .47μF .47μF .47μF .47μF .47μF .00μF .50μF .00μF .00μF .00μF .001μF .001μF .001μF .002μF .003μF .003μF .003μF .003μF .003μF .003μF .003μF .003μF .005μF	600V 17.35 pp Metallized Polypropy 200VDC \$4.60 400V 5.25 (\$3. 600V 7.65 200VDC \$4.65 400V 5.45 (\$3. 400V 5.45 (\$3. 600V 8.30 200V 4.85 400V 7.65 (\$4. 600V 7.65 (\$4. 600V 10.15 200V 5.25 400V 7.65 600V 10.15 200V 5.25 400V 7.65 600V 11.55 200V 5.80 200V 5.80 200V 5.25 100V 52.75 100V 52.75 100V 52.75 100V 52.75 100V 52.35 100V 52.35 100V 67.15 100V 53.55 100V 67.15 100V 73.65 600V 6.85 600V 6.85 600V 6.85 600V 6.85 600V 6.85		10.0µF tin .68µF .68µF .68µF .82µF 1.0µF 1.0µF 1.0µF 2.0µF 2.0µF 2.0µF 3.0µF 3.0µF 3.0µF 4.0µF 5.0µF 5.0µF 3.0µF 3.0µF 4.0µF 5.0µF 5.0µF 2.2µF .2µF .3µF .47µF 01µF .015µF .022µF .03µF .03µF .03µF	200V 400V 600V 200V 200V 200V 400V 200V 200V 200V 200V 400V 400V 200V 400V			tin foil type, others are aluminum foil construction. 6.0μF .400V \$26.75 1.50" x 1.80" 7.0μF .200V 19.10 1.00" x 1.80" 8.0μF .200V 17.95 1.10" x 1.80" 10.0μF .200V 23.65 (\$14.25) 1.10" x 2.00" 15.0μF .200V .29.15 1.40" x 2.00" 20.0μF .200V .35.75 1.50" x 2.80" 20.0μF .200V .88.95 1.60" x 2.80" Metallized polypropylene, compact, self heading, moderately priced. Same size lower cost PPMF-2 two section design, priced in (\$,are now exceptional value. All other MultiCaps except values below 0.10μF are ten sections. .47μF .2400V \$44.25 1.5" x 1.75" .68μF 1000V .22.50 .79" x 1.75" .0μF .1500V .32.15 1.25" x 1.75" .0μF .1500V .32.15 1.25" x 1.75" .0μF .1500V .40" x 1.0" .068μF .1500V .32.15 1.45" x 1.75" .0μGr pPMFs are excellent for speaker crossovers and big power supply bypasses. The high voltage pPMTs are superb as coupling c
.47μF tin MultiCag .10μF	600V 17.35 pp Metallized Polypropy 200VDC \$4.60 400V 5.25 (\$3. 600V 7.65 200VDC \$4.60 400V 5.25 (\$3. 600V 4.65 200V 4.65 400V 5.45 (\$3. 600V 8.30 200V 4.85 400V 7.65 (\$4. 600V 10.15 200V 5.25 400V 7.65 600V 11.55 200V 5.80 200V 5.81 100VDC \$40.65 100V 52.75 100V 52.35 100V 52.35 <		10.0µF tin .68µF .68µF .68µF .68µF .68µF .68µF .0µF 1.0µF 1.0µF 2.0µF 2.0µF 3.0µF 4.0µF 4.0µF 5.0µF 5.0µF 2.2µF .22µF .22µF .22µF .22µF .22µF .015µF .015µF .015µF .022µF .033µF .033µF .033µF .039µF .039µF	200V 400V 200V 200V 200V 200V 200V 200V 200V 400V 400V 200V 400V			tin foil type, others are aluminum foil construction. 6.0μF .400V \$26.75 1.50" x 1.80" 7.0μF .200V 19.10 1.00" x 1.80" 8.0μF .200V 17.95 1.10" x 1.80" 10.0μF .200V 23.65 (\$14.25) 1.10" x 2.00" 15.0μF .200V .29.15 1.40" x 2.00" 20.0μF .200V .35.75 1.50" x 2.00" 30.0μF .200V .88.95 1.60" x 2.80" Metallized polypropylene, compact, self heading, moderately priced. Same size lower cost PPMF-2 two section design, priced in (\$).are now exceptional value. All other MultiCaps except values below 0.10µF are ten sections. .47µF .2400V \$44.25 1.5" x 1.75" .68µF 1000V .22.50 .79" x 1.75" 1.0µF 1500V .40.65 .145" x 1.75" .0µF 1500V .40.65 .145" x 1.75" .0µF .150V .40.65 .145" x 1.75" .0µF .200V \$7.65 .40" x 1.0" .0%BµF .200V \$7.65 .40" x 1.0"
.47μF tin MultiCag .10μF .10μF .22μF .22μF .22μF .22μF .33μF .33μF .33μF .47μF .47μF .47μF .68μF .001μF .00μF .001μF .001μF .001μF .001μF .002μF .003μF .003μF .003μF .003μF .003μF .003μF .003μF .003μF .003μF .003μF .0056μF .0068μF .0078μF .007	600V 17.35 pp Metallized Polypropy 200VDC \$4.60 400V 5.25 (\$3. 600V 7.65 200VDC \$4.60 200V 4.65 400V 5.45 (\$3. 600V 8.30 200V 4.85 400V 7.65 (\$4. 600V 10.15 200V 5.25 400V 7.65 (\$4. 600V 10.15 200V 5.25 400V 7.65 (\$4. 600V 11.55 200V 5.80 Cap Metallized Polyprop 100VDC \$40.65 100V 52.35 100V 52.35 100V 52.35 100V 52.35 100V 52.35 100V 52.35 600VDC \$6.85 600VDC \$6.85 600V \$6.85 600V \$6.85 600V \$6.85		10.0µF tin .68µF .68µF .68µF .68µF .68µF .82µF 1.0µF 1.0µF 1.0µF 2.0µF 2.0µF 3.0µF 4.0µF 5.0µF 5.0µF 2.0µF 3.0µF 4.0µF 5.0µF 5.0µF 22µF .33µF .47µF .015µF .022µF .033µF .033µF .033µF .039µF .039µF .047µF	200V 400V 600V 200V 200V 400V 400V 200V 400V			tin foil type, others are aluminum foil construction. 6.0μF .400V \$26.75 1.50" x 1.80" 7.0μF .200V 19.10 1.00" x 1.80" 8.0μF .200V 17.95 1.10" x 1.80" 10.0μF .200V 23.65 (\$14.25) 1.10" x 2.00" 15.0μF .200V 29.15 1.40" x 2.00" 20.0μF .200V .29.15 1.60" x 2.00" 30.0μF .200V .35.75 1.50" x 2.00" 30.0μF .200V .88.95 1.60" x 2.80" Metallized polypropylene, compact, self healing, moderately priced Same size lower cost PPMF-2 two section design, priced in (\$)are now exceptional value. All other MultiCaps except values below 0.10μF are ten sections. 47μF .2400V \$44.25 1.5" x 1.75" .68μF .1000V .22.50 .79" x 1.75" .68μF .1000V .22.50 .75" x 1.75" .0μF .100V .24.25 1.5" x 1.75" .0μGcap PPMFs are excellent for specker crossovers and big power supply bypasses. The high voltage PPMTs are superb as coupling caps or for electrostatics. No 1% matches for PPMT type due to limited stock. <
.47μF tin MultiCag .10μF .10μF .22μF .22μF .22μF .22μF .33μF .33μF .33μF .47μF .47μF .47μF .47μF .47μF .47μF .47μF .47μF .00μF .50μF .00μF .00μF .00μF .001μF .002μF .0033μF .0033μF .0034μF .0054μ	.600V 17.35 .70 Metallized Polypropy .200VDC \$4.60 .400V 5.25 (\$3. .600V 7.65 .200V 4.65 .400V 5.45 (\$3. .600V 7.65 .400V 5.45 (\$3. .600V 4.85 .400V 7.65 (\$4. .600V 10.15 .200V 5.25 .400V 7.65 .600V 11.55 .600V 5.80 .200V 5.935 .100V 52.75 <		10.0µF tin .68µF .68µF .68µF .82µF 1.0µF 1.0µF 1.0µF 2.0µF 2.0µF 2.0µF 3.0µF 4.0µF 5.0µF 5.0µF 3.0µF 4.0µF 5.0µF 5.0µF 22µF .33µF .47µF 015µF 022µF .33µF .47µF 0.15µF .03µF	200V 400V 600V 200V 200V 200V 400V 200V 200V 200V 400V 400V			tin foil type, others are aluminum foil construction. 6.0μF .400V \$26.75 1.50" x 1.80" 7.0μF .200V 19.10 1.00" x 1.80" 8.0μF .200V 17.95 1.10" x 1.80" 10.0μF .200V 23.65 (\$14.25) 1.10" x 2.00" 15.0μF .200V .29.15 1.40" x 2.00" 20.0μF .200V .35.75 1.50" x 2.00" 30.0μF .200V .88.95 1.60" x 2.80" Metallized polypropylene, compact, self headling, moderately priced. Same size lower cost PPMF-2 two section design, priced in (\$].are now exceptional value. All other MultiCaps except values below 0.10μF are ten sections. .47μF .2400V \$44.25 1.5" x 1.75" .68μF 1000V .22.50 .79" x 1.75" .0μF .1500V .32.15 1.25" x 1.75" .0μF .1500V .32.15 1.25" x 1.75" .0μF .1500V .32.15 .14" x 1.7" .040cCap PPMFs are excellent for speaker crossovers and big power supply bypasses. The high voltage PPMTs are superb ac soupling caps or for electrostatis. No 1% matches for PPMT type due to limited stock.
.47μF tin MultiCag .10μF .10μF .22μF .22μF .22μF .22μF .33μF .33μF .33μF .47μF .47μF .47μF .47μF .47μF .47μF .47μF .47μF .00μF .50μF .00μF .00μF .00μF .001μF .002μF .0033μF .0033μF .0034μF .0054μ	600V 17.35 pp Metallized Polypropy 200VDC \$4.60 400V 5.25 (\$3. 600V 7.65 200VDC \$4.60 200V 4.65 400V 5.45 (\$3. 600V 8.30 200V 4.85 400V 7.65 (\$4. 600V 10.15 200V 5.25 400V 7.65 (\$4. 600V 10.15 200V 5.25 400V 7.65 (\$4. 600V 11.55 200V 5.80 Cap Metallized Polyprop 100VDC \$40.65 100V 52.35 100V 52.35 100V 52.35 100V 52.35 100V 52.35 100V 52.35 600VDC \$6.85 600VDC \$6.85 600V \$6.85 600V \$6.85 600V \$6.85		10.0µF tin .68µF .68µF .68µF .82µF 1.0µF 1.0µF 1.0µF 2.0µF 2.0µF 2.0µF 3.0µF 4.0µF 5.0µF 5.0µF 3.0µF 4.0µF 5.0µF 5.0µF 22µF .33µF .47µF 015µF 022µF .33µF .47µF 0.15µF .03µF	200V 400V 600V 200V 200V 200V 400V 200V 200V 200V 400V 400V			tin foil type, others are aluminum foil construction. 6.0μF .400V \$26.75 1.50" x 1.80" 7.0μF .200V 19.10 1.00" x 1.80" 8.0μF .200V 17.95 1.10" x 1.80" 10.0μF .200V 23.65 (\$14.25) 1.10" x 2.00" 15.0μF .200V .29.15 1.40" x 2.00" 20.0μF .200V .35.75 1.50" x 2.00" 30.0μF .200V .88.95 1.60" x 2.80" Metallized polypropylene, compact, self headling, moderately priced. Same size lower cost PPMF-2 two section design, priced in (\$].are now exceptional value. All other MultiCaps except values below 0.10μF are ten sections. .47μF .2400V \$44.25 1.5" x 1.75" .68μF 1000V .22.50 .79" x 1.75" .0μF .1500V .32.15 1.25" x 1.75" .0μF .1500V .32.15 1.25" x 1.75" .0μF .1500V .32.15 .14" x 1.7" .040cCap PPMFs are excellent for speaker crossovers and big power supply bypasses. The high voltage PPMTs are superb ac soupling caps or for electrostatis. No 1% matches for PPMT type due to limited stock.
.47μF tin MultiCag .10μF .10μF .22μF .22μF .22μF .22μF .33μF .33μF .33μF .47μF .47μF .47μF .47μF .47μF .47μF .47μF .47μF .00μF .50μF .00μF .00μF .00μF .001μF .002μF .0033μF .0033μF .0034μF .0054μ	.600V 17.35 .70 Metallized Polypropy .200VDC \$4.60 .400V 5.25 (\$3. .600V 7.65 .200V 4.65 .400V 5.45 (\$3. .600V 7.65 .400V 5.45 (\$3. .600V 4.85 .400V 7.65 (\$4. .600V 10.15 .200V 5.25 .400V 7.65 .600V 11.55 .600V 5.80 .200V 5.935 .100V 52.75 <		10.0µF tin .68µF .68µF .68µF .82µF 1.0µF 1.0µF 1.0µF 2.0µF 2.0µF 2.0µF 3.0µF 4.0µF 5.0µF 5.0µF 3.0µF 4.0µF 5.0µF 5.0µF 22µF .33µF .47µF 015µF 022µF .33µF .47µF 0.15µF .03µF	200V 400V 600V 200V 200V 200V 400V 200V 200V 200V 400V 400V			tin foil type, others are aluminum foil construction. 6.0μF .400V \$26.75 1.50" x 1.80" 7.0μF .200V 19.10 1.00" x 1.80" 8.0μF .200V 17.95 1.10" x 1.80" 10.0μF .200V 22.15 1.40" x 2.00" 15.0μF .200V .29.15 1.40" x 2.00" 30.0μF .200V .29.15 1.60" x 2.80" Metallized polypropylene, compact, self heatling, moderately priced. Same size lower cost PPMF-2 two section design, priced in (\$)are now exceptional value. All other MultiCaps except values below 0.10µF are ten sections. 47µF .2400V \$44.25 1.5" x 1.75" .68µF 1000V .22.50 .79" x 1.75" .68µF 1500V .32.15 1.25" x 1.75" 1.0µF .1500V .40.65 1.45" x 1.75" AudioCap PPMFs are excellent for speaker crossovers and big power supply bypases. The high voltage PPMT's are superb as coupling caps or for electrostatics. No 1% matches for PPMT type due to limited stock. .068µF .200V 7.65 .40" x 1.0" .068µF .200V 7.65 .42" x 1.25"

.01µF DynamiCap500V - E only 29" D x .65" L.\$23.95 .033µF DynamiCap500V - E only 43" x .675" \$31.95 .10µF DynamiCap425V-E/310V-L35" x 1.1" \$27.95 .22µF DynamiCap425V-E/310V-L48" x 1.6" \$31.95 .33µF DynamiCap425V-E/310V-L40" x 1.6" \$29.95 .47µF DynamiCap 425V-E/310V-L40" x 1.6" \$31.95 .68µF DynamiCap 425V-E/310V-L40" x 1.6" \$31.95 .68µF DynamiCap425V-E/310V-L40" x 1.6" \$17.95 1.0µF DynamiCap425V-E/310V-L40" x 1.6" \$41.95 2.0µF DynamiCap425V-E/310V-L 1.0" x 1.6" \$49.95 3.0µF DynamiCap310V-E/210V-L 0.6" x 1.3" \$55.95

March 1, 2016 TRT price Increase!

TRT DYNAMICAP & WONDERCAP

*TRT's superbly transparent DynamiCap design, and a small selection of the previous generation lower cost WonderCaps. DynamiCap features unique construction with metal end caps, and individually hand soldered 19ga silver clad copper Wonder Wire leads. These are the finest metallized capacitors available today.
*Tolerance typically ±5%, DynamiCap ≤ .033µF's are exotic film & foil construction. WonderCap ≤ .7800pF are polystyrene film & foil. All DynamiCap & WonderCap ≥ .10µF and larger values are metallized polypropylene.
*If bypassing DynamiCaps use no more than 1/100 the value of the main capacitor value to avoid spectral overlap. You may find bypassing is not required at all with these very transparent capacitors.
*Two DynamiCap types are available for values ≥ .10µF, <u>E</u> for coupling and power supplies in electronics, and the <u>L</u> type which is specifically made only for passive crossovers in loudspeaker systems.
*Please specify type <u>E</u> (electronics) or <u>L</u> (speaker) when ordering. Sizes listed are for the highest voltage (larger).

HOVLAND MUSICAP *Film & Aluminum Foil Polypropylene capacitors of extremely high quality and musicality for coupling and speaker crossover applications, ±5% nominal tolerance but typically closer so further matching not usually required. *22ga stranded silver plated Cu Teflon insulated axial lead termination except for items in bold which have 16ga stranded silver plated Cu high current leads for loudspeaker crossovers. Add 50¢ per capacitor for 1% matched pairs.

4.0µF DynamiCap ... 425V-E/310V-L 1.4" x 1.6".....\$65.95 5.0µF DynamiCap ... 310V-E/210V L. 1.0" x 1.6".....\$61.95 6.0µF DynamiCap ... 210V-L only 0.9" x 1.3".....\$31.95 7.0µF DynamiCap ... 210V-L only 1.4" x 1.6".....\$83.95 10.0µF DynamiCap ... 210V-L only 1.4" x 1.6".....\$87.95

Deduct 10% for \$250+, 15% for \$750+ mix of values. Ask about specials on remaining stock of Signature InfiniCaps. Add 50¢ per capcitor for 1% matched pairs



.01µF SuperCap1200V	50 I
.022µF SuperCap800V	95
.047µF SuperCap1000V	95
.10µF SuperCap400V	50
.10µF SuperCap600V	95
.15µF SuperCap400V	95
.22µF SuperCap600V	95
.47µF SuperCap200V	95
.47µF SuperCap400V	95
1.0µF SuperCap200V	50
1.0µF SuperCap400V	95
1.5µF	50
1.8µF	50 I

2.0µF	100V		\$23.50
2.2µF	100V		\$23.95
2.2µF SuperCap	200V	90" x 2.50"	\$41.95
2.7µF	100V	80" x 2.25"	\$22.50
4.7µF SuperCap	200V	1.2" x 3.0"	\$62.50

Deduct 10% for \$250+, 15% for \$500+ mix of values.

SuperCap UDIO CAPACITO Robert Hovland Serie

Items marked "SuperCap" are the latest Robert Hovland film and foil polypropylene design featuring 22ga PTFE insulated stranded silver leads and a black film outer wrap.



SOLEN & AXON CAPACITORS

*Manufactured in France by Societé des Condensateurs Record, 250VDC, 630VDC, 1200V+DC metallized polypropylene, 5% factory specification, but we find most typically measure closer to 2%.
*Excellent economical choice for loudspeaker crossovers & high voltage power supplies, 630V generally have best sonics, 250V are more compact and less expensive. Solen & AΞON have nearly identical sonic characteristics. Parallel with a smaller premium InfiniCap/Rel-Cap/Hovland for improved transient response & transparency.
*Film wound under high tension for tight wrap and low microphonics, core and ends filled wth polyurethane resin for improved damping. All are tape wrap except metallized 630V SCR which have a thick PVC outer wrap.
*All axial lead except 51µF 1500V & 100µF 630V Solen which are in aluminum cans with radial solder lugs. Lead Diameter... 250V AΞON ≤ 6.8µF/.030", 8.2µF - 41µF /.035", 47µF - 62µF/.040", ≥75µF/.060" except 82µF/.040" bare tinned copper leads. All 630+VDC AΞON/.035" pvc insulated copper leads. Solen .10µF - 2.7µF/.030", 22µF -47µF 400V/.047", 47µF 630V & all ≥ 56µF/.060" bare tinned copper leads.

.10µF SOLEN	10µF SoleN	75µF SOLEN
.15µF SOLEN	12µF Solen	82µF AEON
.22µF SOLEN	13μF AEON	91µF AEON
.33µF SOLEN	15µF SOLEN	91µF SOLEN
.47µF SOLEN	16μF SoleN	100µF SOLEN
.68µF SOLEN	18μF AION	100µF SOLEN
1.0µF SOLEN	20µF Solen	100µF SOLEN atuminum can630V2.55" x 4.55"\$59.95
1.5µF SOLEN	22µF AEON	100µF AEON630V2.60" x 4.40"\$44.95
1.8µF SOLEN	22µF SOLEN	120µF AEON
2.0µF SOLEN	24µF SOLEN	120µF SOLEN
2.2µF SOLEN	27µF AEON	150µF solen
2.7µF AEON	30µF AEON	150µF SOLEN
2.7µF SOLEN	30µF SOLEN	180µF SOLEN
3.0µF solen	33µF AEON\$15.35	200µF solen
3.3µF SOLEN	39μF AEON	270µF solen
3.9µF AEON\$3.75	39µF solen\$18.50	330µF solen
3.9µF SOLEN	40µF AEON	
4.7μF AEON\$3.95	41µF AEON\$18.95	
4.7μF AEON	47µF Solen	
5.1µF AEON	47µF SOLEN	
5.6µF AEON	47µF SOLEN	
5.6µF AEON	51µF SOLEN	
6.2µF SOLEN	51µF SOLEN aluminum can 1500V 2.16" x 4.60"\$54.95	
6.8µF AEON	56µF AEON	
6.8µF SOLEN	56µF SOLEN	
8.2µF AEON	62µF SOLEN	Add 50t was according for 1% months ad marine
9.1µF AEON	68µF SOLEN	Add 50¢ per capacitor for 1% matched pairs.
10µF Solen	75µF адол\$27.501.75" x 2.30"\$27.50	Deduct 10% for ten or more pieces per value.



JUPITER BEESWAX & PAPER CAPACITORS

*USA manufactured "condensers" featuring aluminum or copper foil, beeswax and untreated kraft paper construction for classic vacuum tube audio projects HT Cryo and Cu copper foil with 20ga 4N silver leads - NOS originals with 18ga bare copper leads - VT Flat Stack with 18ga tinned copper leads
*0.001µF 600V 10% HT @\$30.95 0.01µF 600V 10% HT @\$31.95 0.022µF 600V 10% HT @\$2.95 0.047µF 600V 10% HT @\$35.95 0.10µF 600V 5% HT @\$37.95 0.22µF 600V 5% HT @\$41.95 0.47µF 600V 5% HT @\$51.95 1.0µF 600V 5% HT @\$59.95 2.2µF 600V 5% HT @\$87.95

*****0.001uF & 0.01uF & 0.022 600V 10% **Cu** @\$37.95 0.047uF 600V 10% **Cu** @\$45.95 0.1uF 600V 5% **Cu** @\$62.95 0.22uF 600V 5% **Cu** @\$68.95 0.33uF 600V 5% **Cu** @\$85.95 0.47uF 600V 5% **Cu** @\$98.00 1uF 600V 5% **Cu** @\$130.00 (values 1.5uF to 4.7uF **Cu** by special order)

*discontinued 100V VT Flat Stack for speakers, one pair each available: 8uF @\$230 pair 10uF @\$240 pair 12uF @\$260 pair 15uF @\$340 pair

*1.0uF 600V, 1.5uF 100V NOS original round orange caps @\$29.95 **each** 2.2uF 100V, 3.0uF 100V @\$59 **pair** 7.5uF 100V @\$94.00 **pair** The NOS originals that I have just a pair or two of we will sell as pairs only.

	0.00vE 000V 600.50 1.1%v1.0%	C OUE 000V COD ED 1 1 1 4
Auricap metallized polypropylenes	0.68µF	6.0μF1.1" x 1.4"
	1.0µF	7.0μF1.1" x 1.4"
0.007µF 1%600V\$22.95	1.0µF	8.0µF
0.01µF	1.0µF	9.0µF
0.0206µF 1%600V18.50	1.5µF	10µF
0.022µF600V10.95	2.0µF	12µF
0.047µF600V	2.0μF	15µF
0.068µF600V11.95	2.0µF	16µF
0.10µF	2.2µF	20µF
0.10µF	2.2µF	22µF1.7" x 1.8"
0.10µF	3.0µF	
0.22µF	3.3µF	These are the original first generation Auricaps at very favorable first genera-
0.22µF	4.0µF	tion pricing and a great bargain for a superior audio grade metallized polypropy-
0.33µF400V14.95	4.0µF	lene. Black lead is outer foil, and manufacturer recommends this lead be
0.33µF	4.0µF	source in coupling applications and at ground in power supplie.
0.47µF	4.0µF	All are 10% tolerance except where noted.
0.47µF	4.7μF	Deduct 10% for Auricap order over \$250.00, mix ok
0.47µF1.3" x 1.3"	5.0µF	
0.68µF	5.0µF	20% discount for over \$500



KZ, FA/FG, FX, FS polarized

.65

.70

.75

70

.95

.45

.70

.75

.95

.95

1.50

.70

.85

1.15

1.10

1.75

. .95

1.15

1.25

1.35

1.50

2.95

1.65

1.75

2.15

2.50

2.25

1.75 2.25

2.50

2.95

2.95

2.75

2.75

4.50

2.95

3.50

..3.75.

KZ, FA, FG, FX, FS, EX, DB, GB quantity discounts

10+ per value, deduct 10% 25+ per value, deduct 25% 100+ per value, deduct 35% 500+, request quote Great Supply KG & NT quantity discounts 10+ per value, deduct 10% 25+ per value, deduct 15% 100+ per value, request quote Special orders that meet factory minimums are welcome

Clamps... 30, 35, 40mm/\$2.50 50/\$3.50 63/\$4.50 76/\$6.50

.. 1.95

.... \$.65......5mm D x 11mm

.50V FG

100V KZ

25V FG

.50V KZ

.50V KZ

.63V FG

100V KZ

.10V FG

25V FG

25V K7

.50V KZ

.63V FG

100V KZ

16V FG

25V KZ

.35V FG

50V KZ

100V KZ

.25V KZ

16V FG

25V KZ

.35V FG

.50V KZ

.63V FG

.16V FG

.25V KZ

50V KZ

.63V FG

.16V FG

25V FG

.35V FG

25V FG

50V FX

.16V FG

.6.3V FX

.6.3V FA

.16V FW

..6.3V FX

.10V FX

100V FW

100V FG

10µF

10µF

22µF

22µF

47uF

47µF

4711F

. 100uF

100µF

100uF

100µF

100µF

100µF

220uF

220uF

220µF

220µF

22011F

330µF

470µF

470uF

470uF

470µF

470µF

47011F

1000µF

1000µF

1000µF

1000uF

1000µF

2200µF

2200µF

2200uF

3300µF

. 3300µF

4700uF

10.000uF

10.000uF

10,000µF

15.000uF

22,000µF

NICHICON ELECTROLYTICS

*Low distortion, mechanically damped, designed specifically for audio, superb sonics at very reasonable cost. * The Nichicon Muse acoustic series comprise types KZ, FA, FG, FX, and FS polarized, and the ES non-polar electrolytics covering a range of .47µF to 22,000µF at up to 100VDC. The KZ is their premier small, board mount cap with the FA/FG very close in quality. The more compact FX and FS permit higher capacitance and voltage ratings not available in the KZ, FA/FG. All feature radial wire lead termination, ±20% tolerance, 85°C. *The DB ±20% and GB ±10% series are 50V bi-polar capacitors for speaker crossovers. 68µF maximum value. *The KG Gold Tune & Super Through series large can electrolytics are Nichicon's premier power supply types for high end audio equipment up to a maximum 100VDC rating. All are solder lug except some smaller KG types which are snap-in (♦) where noted. The Super Through have gold plated solder lugs. All are ±20%, 85°C. *The NT series are not specifically designed for audio, but are quality screw terminal cans for high voltage applications. They are ±20% and have an extended 105°C rating, which may be quite useful inside high temperature vacuum tube power amplifiers - radial screw terminals, clamps are included.

ES series non-polar for electronics

olarizea	ES series non-polar for electronics
5mm D x 11mm H	4.7µF
8mm x 11.5mm	10µF
5mm x 11mm	22µF
8mm x 12.5mm	47µF
10mm x 16mm	100μF
10mm x 12.5mm	220µF
12.5mm x 20mm	470μF
6.3mm x 11mm	1000µF
8mm x 11.5mm	DB /CB hi noles for sportors
10mm x 16mm	DB/GB bi-polar for speakers
12.5mm x 20mm	22µF
10mm x 20mm	33µF
16mm x 25mm	68μF
10mm x 12.5mm	KG Gold Tune & Super Through polarized
12mm x 20mm	
10mm x 20mm	2200µF KG♦gold100V\$7.95
16mm x 25mm	4700μF KG♦Gold35V
16mm x 35.5mm	4700µF KG♦ _{Gold} 63V
12.5mm x 25mm	4700μF KG ♦ _{Gold} 80V
10mm x 20mm	6800µF KG♦ _{Gold} 35V
16mm x 25mm	6800μF KG ♦ _{Gold} 63V6.9535mm x 50mm
12.5mm x 25mm	6800μF KG♦Gold80V9.9535mm x 50mm
16mm x 35.5mm	8200µF KG♦Gold50V6.9535mm x 45mm
16mm x 25mm	10,000µF KG♦Gold35V
18mm x 35.5mm	10,000µF KG Gold50V10.9535mm x 80mm
12.5mm x 25mm	10,000µF KG super50V21.9540mm x 100mm
16mm x 35.5mm	10,000µF KG Gold63V13.9540mm x 80mm
18mm x 40mm	10,000µF KG super63V21.9550mm x 80mm
18mm x 35.5mm	10,000µF KG Gold80V19.9550mm x 80mm
	10,000µF KG super80V36.9563mm x 80mm
	15,000µF KG Gold63V24.9540mm x 100mm
16mm x 35.5mm	15,000µF KG super63V37.9563mm x 80mm
18mm x 35.5mm	15,000µF KG Gold80V
18mm x 40mm 20mm x 40mm	15,000µF KG super80V43.9563mm x 100mm
	15,000µF KG Gold100V
	15,000µF KG super100V
16mm x 31mm 18mm x 40mm	22,000µF KG Gold63V
	22,000µF KG super63V
	22,000µF KG Gold80V
	22,000µF KG super80V66.9576mm x 100mm
	22,000µF KG gold100V49.95 sale76mm x 100mm

 marked are snap in, all other KG & NT are solder lug Items crossed out (crossed out) are out of stock at the time this catalog was posted - check availability!

Premium grade "hichicon MUSE" acoustic series. Ideally subled for first class audio equipment where qualitative and quantitative comfortableness is required.	m —
KZ (ign Gale) FG	UNIXED IN CONTRACT
ALUMINUM ELECTROLYTIC CAPACITORS	nichicon
FG High Grade Type, For Audio Equipment	A
Fine Gold" MUSE accustic series suited for high grade audio squipment, using state of the ant acching techniques. Fich sound in the base register and clearer high end, most assisted for AV equipment like DVD, MD.	
asuited for AV equipment like DVD, MD.	
ALUMINUM ELECTROLYTIC CAPACITORS	nichicon
Miniature Sized, For Audio Equipment	
Miniature sized "nichicon MUSE" accussic series. Buited for use in audio devices where lighter, thinner, shorter and smaller capacitors are required. Kz (ventices) FX	
KZ (mpton) FX	
ALUMINUM ELECTROLYTIC CAPACITORS	nichicor
BI-Polarized, For Audio Equipment	
Bi-polarized "nichicon MUSE" acoustic series. Suited for audio signal circuits.	
ES (Parente PG	(121)
ES	
ALUMINUM ELECTROLYTIC CAPACITORS	nichicon
DB.GB BI-Polarized, For Speaker Network]
Bi-polarized series. Dasigned specifically for crossover networks in Hi-Fi sound systems.	8
	IS TANK
	nichicon
KG Lug/Bnap-in Terminal Type, For Audio Equipment	
Disigned for high grade audio equipment, giving priority to high fidelity sound quality. This series has following 2 series.	n
orusin; This series has following 2 series, Odd Turn makeriak, sulate for pur-main emplayer. CD, Mar Super Through - High gradek pare with purvisai awith me makeriak, sulate for ting's grade and on angitise. Terminia are grade following for high tone quality. Get Ture	
Terminals are gold-plated for high tone quality.	nika sees
ALUMINUM ELECTROLYTIC CAPACITORS	nichicon
Screw Terminal Type, Wide Temperature Bange	
Load life of 5,000 hours (2,000 hours for 10–250V) application of rippic current at ,105-0. Friender write write are range from 10V un to 450V	-
Extended voltage range from 10V up to 450V. Extended range up to +100-2502 size. NTC	
NT series come with clamps.	0 (1)
NR.	
ou may download data sheets for m	ost of these tvp



ASC OIL FILLED POLYPROPYLENES: Excellent for high voltage power supply applications. These are the X386S series non-inductively wound metallized non-polar polypropylene, Spearinol III oil filled aluminum cans. 440VAC/800+VDC, operating temperature to +70°C. ASC's design includes a partial impregantion technique utilizing a non-toxic natural oil based coolant that avoids the problems of swelling and premature failure which can occur with polypropylene films immersed in more commonly used synthetic hydrocarbon and petroleum based oils.

20µF 440VAC ±10% (45mm D x 110mm H) @\$14.95

40µF 440VAC ±10% (50mm x 132mm) @\$18.95

SOLO & ALPHA-CORE COPPER FOIL AIR CORE INDUCTORS

*Unique 5% tolerance 16ga, 14ga & 12ga inductors wound from an ultra-thin .003" 4N copper foil with polyester & polypropylene insulating materials and a varnish dip coating, made in the USA by Solo (Solo out of business, phasing out) & Alpha-Core.

*Low DC & AC resistance, very low power loss, minimal phase shift and skin effect resistance to 100kHz, no hysteresis distortion, the most transparent inductor made today, rapidly becoming the inductor of choice in high end speaker systems.

*All values listed below are stock, sorry due to manufacturer's new high minimum line item requirements, custom values no longer available. *16ga are 1.0" High , 14ga are 1.25-1.42" High, 12ga are 2.0" High, diameter approximately as listed.

05 11	7.4	0400 000	1.05" 5	11.05
		070Ω		
.47mH	12ga		2.30"	31.95
.62mH	14ga		2.25	21.00
.62mH	12ga		2.45"	37.50
.68mH	16ga			9.95
.75mH	16ga			10.50
1.10mH	12ga		3.15"	45.50
1.20mH	12ga		3.38"	47.50
1.30mH	16ga			13.50
1.40mH	14ga		3.20"	29.95
1.50mH	16ga		3.15"	13.50
1.50mH	12ga		3.50"	52.50
1.60mH	12ga		3.55"	52.50
3.30mH	14ga		3.88"	45.50
5.60mH	14ga		4.40"	61.95
5.60mH	12ga		4.75"	107.50
6.20mH	14ga	600Ω	4.50"	65.95
	0			

Due to changes in dealer discount price structure for these inductors, we are discontinuing them. As α result.....

Deduct 20% off the prices posted for all our remaining pair stock! Sold in pairs only

Please check availability before placing your order.

Soft Recovery (FRED) & Schottky Diodes

Fast Recovery Epitaxial Diode. The FRED soft recovery and Schottky diodes are the high speed device of choice for rectification. Their fast response time, soft recovery, and lack of ringing and overshoot places them a big step beyond other high speed diodes which have much higher noise and distortion. Replacing your diode bridges with these (4 usually required) will yield significant improvements including increased dynamics, dramatically lower noise, and reduced grain and glare. Use the 1000V/1200V types where your B+ is above 350VDC or so, thereby allowing for turn on surges. We carry diodes of this type from Vishay, IXYS, and Fairchild, including the exceptionally soft recovery "Stealth" types. Please note that the soft recovery characteristic of these diodes is far more important than the absolute speed (trr) of one or the other. Heat sinking may be required for high current applications, either to your chassis or with individual heatsinks. As the back of each diode is also the cathode, mica insulators are required for electrical isolation when chassis mounting or sharing a common heat sink. We have full wave bridge packages from IXYS constructed using low noise superfast recovery diodes... great for power amp upgrades! Ask for data sheets.

Ten watt heatsink for TO-220/247 fits any IXYS/Hexfred.

6.5gr heat sink grease \$1.75 isolator/washer 10¢

\$1.85

65¢

WP.

1.1A100V DO-41Vishay Schottky\$.50

2x5A ..150V TO-220 Vishay Schottky\$2.50

5.9A .1200V TO-220Cree Schottky......\$3.95

8A.......600V TO-220Fairchild** <25ns\$1.35

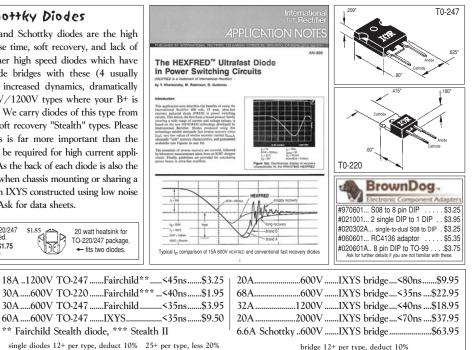
8A.....1200V TO-220......Fairchild**......<32ns......\$1.95

15A600V TO-220Fairchild**<30ns\$2.95

Five watt heatsink for

TO-220 style package

- clip on type



Analog Devices/Burr Brown IC's Popular op-amp replacements for the NE-553x and others found in CD player output stages, power supplies, and other IC's. AD711JN (single) @\$2.95 AD712JN (dual) @\$4.00 AD 744JN (single) @\$5.95 AD797AN (single) @ask AD-8005AN (single) @\$4.50 AD-811AN (single) @\$6.95 AD812AN (dual) @\$4.95 AD815AY (SIP pkg.) @\$12.95 AD817AN (single) @\$4.25 AD823AN (dual) @\$4.95 AD.826AN (dual) @\$4.50 AD-827[N (dual) @\$9.95 AD.843[N (single) @\$8.95 AD.847]N (single) @\$4.95 AD-848JN (single) @\$5.95 AD8620AR @\$16.00 OP-275 (dual) @\$2.95 Burr-Brown OPA2604AP (dual) @\$5.50 Burr Brown OPA2132PA (dual) @\$6.95 OPA2134PA (dual) @\$2.95 LT1364CN8 (dual) @\$6.95 8 pin IC sockets with 30µ gold plated pins and sockets... 80¢ each (25+ @65¢ each)

Burr Brown BUF-634P: High speed buffer in an 8 pin dip package, 180MHz bandwidth, 2000V/µs slew rate, ±2.25V to ±18V supply voltage with max 15mA supply current, drives capacitive loads, 250mA drive current, excellent for buffered passive preamp designs, op-amp current booster, etc... \$8.95

Linear Technology Regulators: LT1033CT 3A negative/\$5.50 LT1085CT 3A positive/\$6.50 LT337AT 1.5A negative/\$3.95 LT317AT 1.5A positive/\$3.95 IC's are <u>not</u> returnable!!! LT1083CP 7.5A positive/\$12.95 Linear Technology LT1034-2.5 micropower dual reference @\$4.95

ROEDERSTEIN RESISTA RESISTORS

German metal film resistor used extensively in high end audio equipment, copper leads, ferrous end-caps, 1% tolerance, 50ppm TCR, very reliable. MK3 no longer manufactured, so quantities limted for some .5W values.

$1.0\Omega\Delta MK8 \atop only$	84.5Ω	392Ω	825Ω	1.62K	3.24K	6.04K ∆	11.5K	27.4KAPRP	53.6K	100K prp	191K	365K		
1.69Ω	90.9Ω PRP	402 ΩΔ	845Ω	1.65K			$12.1K\Delta PRP$		54.9K	102K prp	196K	374K	698K	3.32M P
3.01 ΩΔ	97.6Ω PRP	422Ω PRP	866Ω	1.69K	3.40K	6.34K	12.4K	29.4K	56.2K prp	105K prp	200K A	383K	715K	3.65M
4.99 ΩΔ	$100\Omega\Delta$ PRP	453Ω	909Ω PRP	1.74K∆	3.48K	6.49K	13.0K	30.1K prp	57.6K∆	110K	205K	392K	732K	4.02M
5.00Ω PRP	110Ω prp	475Ω PRP	931Ω	1.78K	3.57K	6.65K	13.7K	30.9K	59.0K	113K	210K	$402K\Delta$ PRP	750K	4.32M
5.11Ω	121Ω	$499\Omega\Delta$ PRP		1.82K prp	3.65K∆	6.81KA PRP		32.4K	60.4K	115K	215K	412K	768K	4.53M
7.50Ω PRP	130Ω	511Ω PRP	976Ω	1.87K	3.74K	6.98K	14.7K	$33.2K\Delta^{PRP}$	61.9K	118K	$221K\Delta$ PRP	422K	787K	4.75M
$10.0\Omega\Delta$ PRP	137Ω	523Ω	$1.00K\Delta$ PRF	1.91K	3.83K	7.15K	15.0KA PRI	° 34.0K	63.4K	121KA	232K	432K	806K	4.99M
15.0 ΩΔ	140Ω PRP	536Ω	1.02K prp	1.96K	3.92K prp	7.32K	15.4K	34.8K	64.9K	124K prp	237K	<u>442K</u>	825K prp	5.62M
17.4Ω	$150\Omega\Delta$ PRP	549 Ω∆	1.05K prp	$2.00K\Delta$ PRF	4.02K ∆	7.50K ∆	16.2K	35.7K	66.5K	127K	243K	453K	845K	6.81M
20.0Ω PRP	162Ω PRP	562Ω PRP	1.07K prp	2.10K	4.12K	7.68K	16.5K	36.5K	$68.1K\Delta$ PRI	- 130K	249K A	464K prp	866K	7.50M
22.1 $\Omega\Delta$ PRP	174Ω PRP	576Ω	1.10K	$2.21K\Delta PRP$	4.22K	7.87K	16.9KA	37.4K	69.8K	133K	255K	$475K\Delta$ PRP	887K	10.00M
<u>24.90</u>	187Ω	590Ω	1.15K	2.26K PRP	4.32K	8.06K	17.4K	38.3KA	71.5K	137K	261K	487K prp	909K	
30.9Ω PRP	200Ω PRP	604 ΩΔ	1.18K	2.37K PRP	4.42K	8.25K	17.8K	39.2K	73.2K	140K	267K	499K	931K	
$33.2\Omega\Delta$ PRF	$^\circ210\Omega$ PRP	619Ω	1.21KA PRI	°2.43K	4.53K	8.45K	18.2KA	40.2K	75.0K	143K	274K prp	511K	953K	Values marked
34.8Ω	$221 \Omega \Delta \text{ prp}$	634Ω	1.24K	2.49KA PRP	4.64K	8.66K∆	18.7K	41.2K	76.8K	147K	280K	523K	976K	"PRP" ind
40.2Ω	243Ω	649Ω	1.27K	2.55K	4.75KA PRF	8.87K	19.1K	42.2K	78.7K	150K	287K	536K	1.00MA PR	P cate the
47.0Ω	249Ω	665Ω	1.30K	2.61K	4.87K	9.09K	19.6K prp	43.2K	80.6K	154K prp	294K	549K A	1.21M	1/2W has beer
49.9 $\Omega\Delta^{PRP}$	261Ω	681 ΩΔ	1.33K	2.67K	$4.99K\Delta$ PRP	9.31K	20.0K PRP	44.2K	82.5KA PRP	158K	$301K\Delta$ PRP	562K	1.37M	replaced
54.9Ω	$\pmb{274}\Omega\Delta^{\text{PRP}}$	698Ω	1.37K	2.74K PRP	5.11K	9.53K	21.0K PRP	45.3K	84.5K	162K	309K	576K	1.50M	with a PR
60.4Ω	287Ω	715Ω	1.40K	2.80K	5.23K	9.76K prp	$22.1K\Delta^{PRP}$	46.4K prp	86.6K	165K prp	316K	590K	1.65M	2W all
64.9Ω	301Ω PRP	732Ω	1.43K	2.87K	5.36K	$10.0K\Delta$ PRP	23.2K	47.0K PRP	88.7K	169K	324K	604K ∆	1.78M	remain
68.1 ΩΔ	316Ω	750 Ω∆	1.47K	2.94K	5.49K∆	10.2K prp	24.3K	48.7K	90.9K	174K∆	$332K\Delta$ PRP	619K	2.00M	Resista M
69.8Ω	332 ΩΔ	768Ω PRP	$1.50K\Delta$ PRF	3.01K∆	5.62K	10.5K prp	24.9K ∆	49.9K prp	93.1K	178K	340K	634K	2.21M	
75.0Ω	348Ω	787Ω	1.54K	3.09K	5.76K	10.7K	25.5K	51.1K	95.3K	182K prp	348K prp	649K	2.49M PRP	
Ω0.08	<u>374Ω</u>	806Ω	1.58K	3.16K	5.90K	11.0K	26.1K	52.3K	97.6K prp	187K	357K	665K	2.80M	

* MK3/.5W (300VMax) stocked in <u>all</u> of the values listed. exceptions: 4.99Ω, in MK8 only all MK3 values @25¢ each except 4.75M and above @55¢ each MK8/2W (500VMax) only in values marked with a Δ ... \$1.95 each

* 25+ pieces per value deduct 10%, 50-99 per value deduct 20%

* 100+ pieces per value... deduct 25% 10% maximum discount for MK8

all marked with Δ are MK8 Roederstein even if .5W is now PRP

Values marked "PRP" indicate 1/2W MK3 replaced with a PRP-9372 at 45¢ - ¢65 ea. PRP are superb non-magnetic audio resistors from Precision Resistive Products USA

shown actual s

HOLCO	RESISTORS
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*Highly praised by Hi Fi News & RR, mfg. by Holsworthy of Devon, England. Name is derived from wHOLE COpper. *Metal film on a ceramic substrate with gold plated ends joined to end caps and .032"D copper leads. *H4 (RN-60) .5 watt @70°C, 300VMax, TCR is 50ppm *Tolerance speed. at 1% but typically within .25% of marked value. *We are slowly replacing all of these with the superb PRP 9372 audio grade metal films from Precision Resistive Products. *Caution!!! As the failure rate with the H4 (not PRP) increases with voltage, limit the maximum applied voltage to 150VDC or less.

H4 shown actual size H4 = .142"D x .375"L H4 leads = 0.032" (20ga) PRP = .150"D x .400L PRP leads = 0.025" (22ga)

H4

MK8 .350" D x .750" I leads .030"D

MK3 .125" D x .325" L leads .022"D

					-							
1.00Ω	210Ω	649Ω	1.33K	2.74K	5.49K	11.0K	29.4K	59.0K	115K	228K	432K	825K
5.00Ω PRP	221Ω PRP	665Ω	1.37K	2.80K	5.62K	11.5K	30.1K prp	60.4K	118K	232K	442K	845K
10.0Ω PRP	232Ω	681Ω PRP	1.40K	2.87K	5.76K	12.1K	30.9K	61.9K	121K	237K	453K	866K
15.0Ω	243Ω	698Ω	1.43K	2.94K	5.90K	12.4K	32.4K	63.4K	124K	243K prp	464K	887K
20.0Ω PRP	249Ω	715Ω	1.47K	3.01K	6.04K	13.0K	33.2K	64.9K	127K	249K prp	475K	909K
22.1Ω PRP	274Ω	732Ω	1.50K	3.09K	6.19K	13.7K	34.0K	66.5K	130K	255K	487K	931K
24.9Ω	287Ω	750Ω PRP	1.54K	3.16K	6.34K	14.0K	35.7K	68.1K prp	133K	261K	499K	953K
30.9Ω PRP	301Ω PRP	768Ω	1.58K	3.24K	6.49K	14.7K	36.5K	69.8K	137K	267K	511K	976K prp
40.2Ω PRP	316Ω	787Ω	1.62K	3.32K prp	6.65K	15.0K prp	37.4K	71.5K	140K	270K	523K	1.00M prp
47.0Ω PRP	332Ω PRP	806Ω	1.65K	3.40K	6.81K prp	15.4K	38.3K	73.2K	143K	274K	536K	1.21M
49.9Ω PRP	348Ω	825Ω	1.69K	3.48K	6.98K	16.2K prp	38.9K	75.0K	147K	280K	549K	1.50M
54.9Ω PRP	357Ω	845Ω	1.74K	3.57K	7.15K	16.9K	39.2K	76.8K	150K	287K	562K	1.78M
60.4Ω PRP	374Ω	866Ω	1.78K	3.65K	7.32K	17.4K	40.2K	78.7K	154K	294K	576K	2.00M
64.9Ω	392Ω PRP	887Ω	1.82K prp	3.74K	7.49K prp	17.8K	41.2K	80.6K	158K	301K	590K	2.21M
68.1Ω PRP	402Ω	909Ω	1.87K	3.83K	7.68K	18.2K	42.2K prp	82.5K	162K	309K	604K	2.49M
75.0Ω PRP	412Ω	931Ω	1.91K	3.92K	7.87K	18.7K	43.2K	84.5K	165K	316K	619K	2.74M
84.5Ω	422Ω	953Ω	1.96K	4.02K	8.06K	19.1K	44.2K prp	86.6K	169K	324K	634K	3.01M
90.9Ω PRP	432Ω	976Ω	2.00K prp	4.22K	8.25K	19.6K prp	45.3K	88.7K	174K	332K	649K	3.32M
100Ω PRP	453Ω	1.00K prp	2.10K	4.32K	8.45K	20.0K	46.4K	90.9K	178K	340K	665K	3.65M
110Ω PRP	475Ω PRP	1.02K	2.21K prp	4.42K	8.66K	21.0K	47.0K prp	93.1K	182K	348K	681K	
121Ω PRP	499Ω	1.05K	2.26K	4.53K	8.87K	22.1K prp	48.7K prp	95.3K prp	187K	357K	698K	
130Ω	511Ω	1.07K	2.37K prp.	4.64K	9.09K	23.2K	49.9K	97.6K prp	191K	365K	715K	Values
140Ω	523Ω	1.10K	2.43K	4.75K	9.31K prp	24.3K prp	51.1K	100K prp	196K	374K	732K	marked "PRP" indicate the
150Ω PRP	549Ω	1.15K	2.49K	4.87K	9.53K prp	24.9K	52.3K	102K	200K	383K	750K	0.5W
162Ω	562Ω	1.21K	2.55K	4.99K	9.76K prp	25.5K	53.6K	105K	205K	392K	768K	has been replaced
174Ω	576Ω	1.24K	2.61K	5.11K	10.0K prp	26.1K	54.9K	107K	210K	402K	781K	with a PRP.
187Ω	604Ω	1.27K	2.67K	5.23K	10.2K prp	27.4K	56.2K prp	110K	215K	412K	787K	
200Ω	619Ω	1.30K	2.70K	5.36K	10.5K prp	28.7K	57.6K	113K	221K	422K	806K	
L												

* H4 .5W available in all values listed above except marked "PRP".

* 1.0Ω H4 = \$1.85 each (no PRP manufactured below 5 Ω)

* 10 Ω through 15 Ω Holco H4 = 65¢ each (PRP are 45¢)

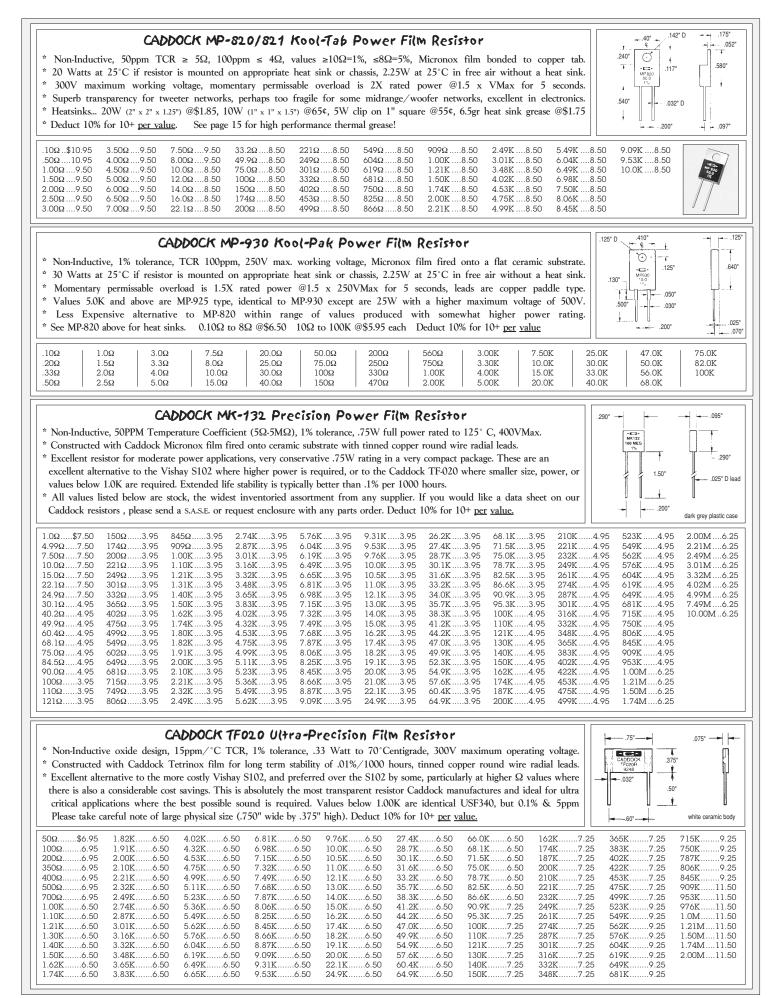
* 20 Ω through 976K Holco H4 = 45¢ each (PRP are 45¢)

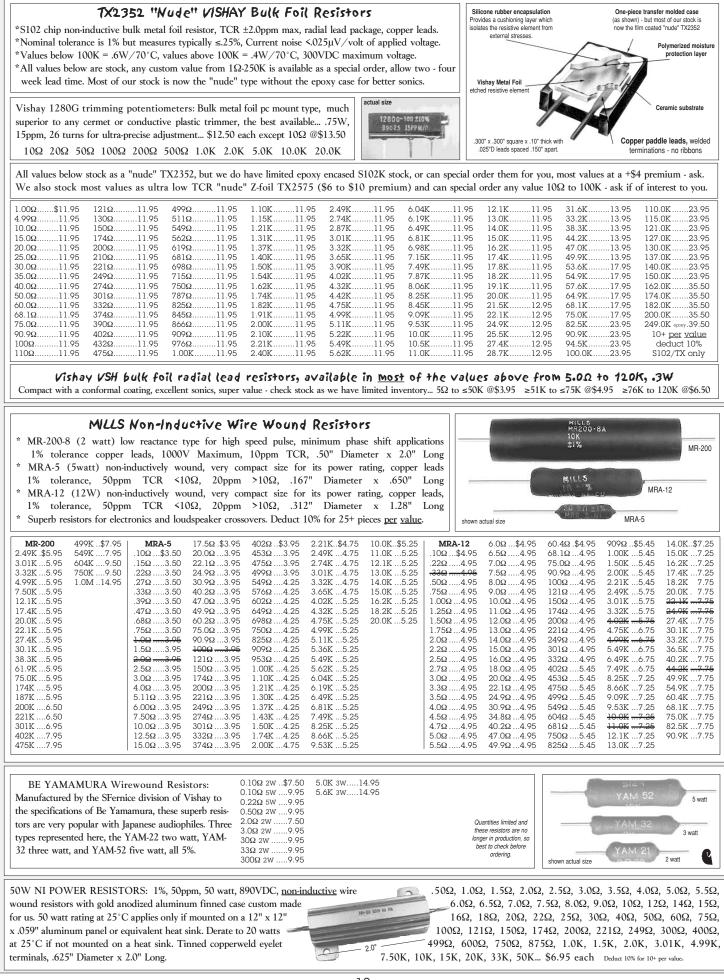
* 2.0M through 3.65M Holco H4 = 80¢ each

* 25 - 50 pieces per value deduct 10%

* 50 - 100 pieces per value deduct 20%, 100+ per value deduct 25% All sales final on Resista, Holco & PRP resistors, no returns please!

* 1.0M through 1.78M Holco H4 = 65¢ each (PRP \geq 1.21M are 65¢)





ROTARY SWITCHES/ATTENUATOR KITS

ATTENUATORS: I stock 45 position *Shallco* and 24 position *Elma* rotary switches for building attenuators. There are three configurations commonly used that you may opt for in building attenuators with these controls. Any of these assembled with *Holco/PRP* and or *Vishay* resistors will outperform an off the shelf pot from any manufacturer (P&G included)! Enclosed with any attenuator kit are instructions and a spreadsheet showing the correct resistor for each position and a graph of the attenuator taper. We have a good selection of tapers and resistance values available.

*Ladder L-Pad: usually constructed as a pair of mono controls, this type control features a switchable series and shunt resistor for each position so the audio signal passes through only a single series element no matter how many dB of attenuation, input impedance is constant, output impedance varies, absolutely the best choice for interstage use in electronics where constant load is desired, excellent for passive preamps too, Vishays can be used for primary positions. *Fixed series/variable shunt: stereo or dual mono commonly used, eliminates switch contacts for the series element which is permanently soldered single resistor, making use of a Vishay cost effective, switches only the shunt element, purist design, but input impedance varies with every setting, not desirable interstage in electronics but workable in a passive design, particularly with more limited ranges of attenuation. For budget applications this design is occasionally used with a pot for the shunt element rather than a costly rotary switch and discrete resistors.

*Series Attenuator: for compact stereo attenuators, a string of resistors encircles the control, the sum of which equals the impedance of the control, the greater the degree of attenuation, the greater the number of resistors the signal must pass through, input impedance is constant so use interstage in electronics is a common application, good for passive preamps also and the sonics are surprisingly good if quality resistors are used, practical budget alternative to an L-Pad. *Please note that assembling an attenuator with either the Shallco or Elma switches requires a high degree of soldering skill and a great deal of care and precision!*

SHALLCO rotary switches: For constructing mono L pads, series style attenuators, and selector switches, I stock the 45 position two deck, single pole per deck shorting type featuring solid silver contacts, silver alloy bifurcated wipers, 10A rating $\leq .002\Omega$ contact resistance, 3/8" bushing mount, 1/4" shaft. Standard taper for attenuators is 1db per step starting from 0dB attenuation with a few bigger steps at the lowest volume settings. Fully assembled each *Shallco* attenuator requires a footprint 2.25" square by 4.50" deep behind your faceplate.

*45 position shorting switch for attenuators (2.25" square x 3.75" deep)... \$200.00 each *6 position two pole single deck shorting for selector... \$156.00 *Complete dual mono ladder L-Pad attenuator kit with two 45 position switches and 176 *Holco/PRP* resistors, *specify impedance*... \$479.00 *Stereo series attenuator kit with one 45 position switch and 90 *Holco/PRP* resistors, *specify impedance*... \$240.00

ELMA rotary switches: Compact Swiss made rotary switches with 10μ m silver coated, $.2\mu$ m gold flashed copper and brass contacts, 2A rated, < $10m\Omega$ R, 32-33mm D, 3/8"+ bushing mount, 6mm shaft diameter, available in single pole per deck to 24 positions, and up to six poles per deck with fewer positions, shorting and non-shorting. Excellent for selector switches and for building more compact attenuators Below are stock, others are available with 2-3 week lead time (send s.A.S.E. for data sheet). Several 24 position types are stocked for attenuator applications. The 04-2130 features their standard premium grade construction but does exhibit some slight contact bounce which may cause varying degrees of transient noise when switching between positions, usually insignificant but this could be a problem in some applications so beware! The BV switches were specifically designed for attenuator applications and have no contact bounce: they utilize PC boards for each deck with special trace material for the contacts.

*(BV22561) 24 position special attenuator switch for mono fixed or series resistor control, shorting type single pole per deck, single deck... \$39.00 *04A1R00 @\$79.50 (two deck for single channel L-pad) 04A2R00 @\$138.00 (four deck for 2 channel L-pad)

- 04A2A00 @\$86.00 (two deck 2 channel series attenuator) please ask for further details on the 04R & 04A switches rotary switches
- *(04-2133) two deck shorting 24 position for mono L-Pads or stereo series attenuators, see note above regarding contact bounce... \$115.00 Dual mono L-Pad kit with two 04-2133 Elma's and 92 Holco/PRP resistors... \$203.00 (requires 2.25" depth, 1.25" diameter when assembled) Stereo series attenuator with a single 04-2133 Elma and 46 Holco/PRP resistors... \$116.00 (requires 2.125" depth, 1.25" diameter when assembled)
- *(04-1130) single deck shorting 24 position for mono series attenuators or fixed series/variable shunt type, see note above... \$38.00
- *(04-1121) 12 position, useful as a mono selector, switching hot of a single channel, non-shorting, single pole, single deck... \$37.50
- *(04-2121) 12 position, useful as a stereo selector switch, non-shorting, single pole per deck, two deck... \$61.50
- *(04-1264) 6 position, useful as a stereo selector switch, non-shorting, two pole per deck, single deck... \$64.95 (most popular selector switch) *(04-2264) 6 position, useful as a stereo selector switch for those who wish to switch both hots and grounds or for use in balanced equip ment as a stereo selector switching inverting and non inverting signals, non-shorting, two pole per deck, two deck... \$86.95
- *(04-4121) 12 position, stereo selector switch for those who wish to switch both hots and grounds or for use in balanced equipment as a stereo selector switching inverting and non inverting signals, non-shorting, single pole per deck, four deck... \$110.00

ELMA knobs: 36mm D, matte black finish, collet fixture (not a set screw!) for positive non slip attachment, specify 6mm (Elma, Alps, & Noble) or 1/4" (Shallco & most US rotaries) shaft diameter... @\$5.75 28mm D matte finish black knob for 6mm shaft with clear dial & black numbers 1-24... @\$5.95

Some of our stock are the discontinued lower cost Elma 04 switches with the gold flash over silver plated contacts (part #'s ending in "0" or "1"). The "newer" Elma 04 are identical in every way except for the contact plating which is hard gold over nickel (part #'s ending in "3" or "4"). We believe the gold flash over silver plate contacts have better sonics than those with the magnetic nickel sub-plating, but unfortunately they are no longer manufactured, so grab the "old" style while you can.

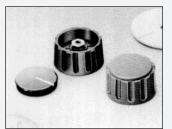




Brass Shaft Couplings 4 set screw 1/4" (shown) @\$8.50 2 set screw 1/4" plated @\$3.95







TKD Stepped Attenuator: Highly regarded assembled attenuator. Discrete resistive elements are used for each position in a series configuration assuring very precise tracking between channels. Mounting is accomplished by three standoffs and screws on the front of the control so only a hole large enough for the 6mm shaft is required in your faceplate. Each <u>mono</u> control requires a footprint 2.125" H x 1.75" W and 1.6" deep behind your front panel. The shaft length is 1", less the thickness of your faceplate. 40 steps (1dB steps to -24dB, 1.5dB steps to -31.5dB, -33.5, -37.5, -49.5, -48.5, -53, -58, -65dB)

one piece mono 10K available at bargain price @\$95.00

TKD Potentiometers: Conductive plastic element CP2500 series volume and balance controls, 25mm square by 27mm deep with 9mm threaded bushing mount, solder lugs, no-detents, log taper 10K, 25K, 50K, 100K, 250K, 500K... \$85/stereo \$52/mono \$98/balance (no 500K) \$129.00/10K, 25K, 50K, 100K motorized 16mm square CP600 series 10K, 50K, 100K mono @\$24.95 each stereo @\$29.95 each

ALPS Black Beauty Potentiometers: Popular 40mm high end potentiometer, some are detented, some smooth, no longer manufactured: 34mm high x 40mm wide x 30mm deep, 8mm threaded bushing mount, 6mm D x 32mm L solid round aluminum shaft, solder lug eyelets, easily cut to desired length. 250K mono potentiometer... \$30.00 100K/250K balance controls... \$39.00 sorry - no more stereo pots available

NOBLE AP25 Potentiometers: Excellent low cost stereo potentiometer, 27mm square x 30mm deep black metal case, 8mm threaded bushing mount, 6mm solid round aluminum shaft that extends .75" past bushing, no detents, pc mount, log taper, with loudness tap - 250K stereo @\$24.95











TOCOS Toggle Switches: Superior quality silver contact, 6A/125V, 3A/250V rated, solder lug terminal miniature toggle switches, available with short or long chrome paddle handles (no long handle SPDT). Short handle type supplied if you do not specify. Tocos jointly owned the switch patents with Sagami, and the latter company went bankrupt, so these superb switches are not currently in production - get them while you can! SPDT on/on... \$3.95 DPDT on/onff/on... \$6.50 4PDT on/on... \$11.50 4PDT on/off/on... \$11.50

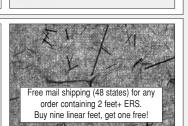


ATTENUATED

TI SHIELD: Unique composite shielding material from Texas Instruments for blocking EMI & RFI interference. Conventional shielding materials excel either in electrical conductivity or magnetic permeability, but not both. Steel is not conductive enough to be effective at blocking high frequencies, while copper and aluminum are not effective at absorbing low frequency EMI. No single material met both of these requirements until TI developed this copper/alloy 49/copper composite material. TI Shield is effective from below 10Hz up to 10GHz and is currently available only in .014" thickness (28-29ga). Counterpoint utilized similar technology in construction of their chassis' and found significant audible benefits were to be derived from surrounding audio circuitry with materials that shield against both EMI & RFI. Unlike Mu-Metal, this material may be cut and bent into convenient shapes without requiring annealing to restore its shielding properties.

12" x 12"/\$32.50, 12" x 24"/\$64.50, 12" x 48"/\$127.00 --- NOT CURRENTLY IN PRODUCTION

Stillpoints ERS EMI/RFI Suppression Cloth: In appearance a grey cloth like material impregnated with carbon fibes that are wash coated with metals in a proprietary process. This material not only shields from and reflects EMI/RFI, but absorbs it, so merely laying a sheet on top of, or wrapping, noise emitting components (anything digital, AC junction boxes, power supplies, transformers) can have dramatic results. Even speaker drivers, crossovers, and turntable platters may benefit with this treatment. Users have reported spectacular reductions in glare, hash, background noise, etc. The polyester fabric will insulate the core of ERS, to some degree, but can be easily penetrated with shape edges. Caution should be exercised when used in close proximity to circuitry. See Positive Feedback & Stereo Times articles. 11" wide by any length @\$2.95 per linear inch



TI-SHIELD[™] SHIELDING MECHANICS

AQ RF Stoppers: RF suppressing ferrite clamps to fit around power and signal cables; they add 240Ω of impedance at 100MHz which AQ claims is 40% more attenuation than the TDK and similar products... Jr.'s fit cables to 9mm \$31.50/set 8 Sr.'s fit cables to 10mm \$45.95/set of 4 12.5mm ID one piece EMI suppressor core with heat shrink @\$4.95 each. This is the RF Stopper Audioquest used on their AC 12 power cord.

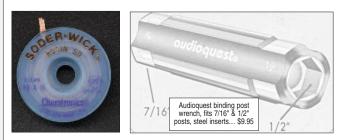
SIDEWINDER POWER RESISTORS: Economical choice for speaker system crossovers, useful for experimentation parallel two for higher wattages and to achieve other values. 25W ceramic encapsulated wire wounds, 5% axial leads, .5" square by 2.5" long... 95¢ each 2.7Ω 3.3Ω 5.6Ω 7Ω 8.2Ω 12Ω 15Ω 20Ω 25Ω

Picofarad values: Poly-styrene/propylene types (almost all are styrene) surplus from various manufacturers, all copper leads, most are 500/630V 2-5%, a few are 10%, where marked with a * they are $\leq 160V$, 85° each. Please note that as these are surplus purchases, the stock varies and values come and go as available!

47pF, 71pF*, 73pF*, 76pF, 80pF, 82pF, 86pF, 88pF, 89pF, 91pF*, 100pF, 100pF*, 120pF, 130pF*, 133pF, 150pF*, 180pF*, 240pF*, 270pF*, 330pF, 330pF, 330pF*, 360pF*, 365pF*, 430pF*, 453pF, 536pF*, 560pF*, 604pF, 604pF*, 619pF, 750pF*, 787pF*, 820pF*, 820pF, 931pF, 1000pF*, 1100pF*, 1200pF*, 1210pF, 1300pF, 1500pF*, 1690pF*, 1690pF*, 1800pF*, 1800pF*, 1910pF*, 2200pF, 2700pF, 3000pF, 3900pF, 4700pF, 5600pF, 6800pF, 8200pF, 12000pF*, 1200pF*, 1200pF*, 1200pF*, 1200pF*, 1200pF*, 1200pF*, 1200pF*, 1200pF*, 1200pF*, 1690pF*, 1690pF*, 1800pF*, 1910pF*, 2200pF, 2700pF, 3000pF, 3900pF, 4700pF, 5600pF, 6800pF, 8200pF, 12000pF*, 12000pF*, 12000pF*, 1200pF*, 12000pF*, 1200pF*, 12000pF*, 120000pF*, 12000pF*, 12000pF*, 120000pF*,

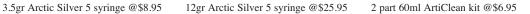
SOLDERING AIDS & TOOLS

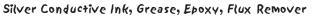
Soder-Wick: Flux impregnated copper braid for removing solder from circuit boards and connectors. Quite frankly, no desoldering tool works better than solder wick, and it functions as a heat sink while you are desoldering board components. Essential if you are doing rework on older equipment and replacing circuit board components or cleaning up connectors for reuse... 10' spool of .110" wide desoldering braid... \$6.75 each



Arctic Silver 5 High Performance Thermal Grease

*A unique high-density filling of micronized silver and enhanced thermally conductive ceramic particles providing superior level of performance and stability. For critical applications where maximum thermal protection is required, *Arctic Silver 5* thermal grease will ensure thermal transfer to your heat sink with efficiency far greater than any silicone or similar compound. Customers report significantly improved heat dissipation with this product. For those expensive heat sinkable Caddock resistors, Schottky and other bridges and diodes, mosfets, etc. this product will help protect your investment. For best performance where there is pre-existing thermal grease, it must be removed - use the two part ArctiClean kit - no other solvents will properly and completely remove silicone grease.





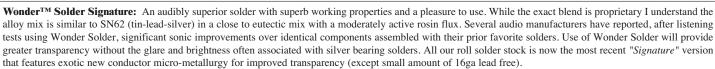
*Conductive Pent: A pen type device from Caig Labs containing 5gr of a specially formulated silver bearing polymer, designed to mal electronic connections, traces, and terminations, extremely handy for repair applications, solderable!... \$15.95

*Conductive Epoxy: Two part quick setting silver bearing epoxy for solderless connections, high strength bonding of heat sensitive components that cannot withstand the thermal stress of soldering or won't solder easily (aluminum ribbons), trace repair, etc.... \$20.50

*Conductive Grease: Silver bearing grease with excellent electrical and thermal conductivity (252°C rated), 6.5grams... \$25.95

*Overcoat Pent: For repairing solder mask after soldering and repair and creating spot areas of conformal insulation, clear... \$12.50

*Flux Remover Pen: For spot removal of water soluble solder fluxes from circuit boards... @\$8.00



Wonder Solder Signature 16ga \$72/pound \$37/.5 pound \$19.00/.25 pound

Wonder Solder Signature lead free 16ga \$83/pound \$43/.5 pound \$22/.25 pound

Wonder Solder Signature 21ga \$77/pound \$39/.5 pound \$20/.25 pound Wonder Solder Signature lead free 21ga \$88/pound \$45/.5 pound \$23/.25 pound

Wonder bar solder pots... \$16.00/ 4.55+ ounce pound bar Cardas bar solder... 7+ ounce bar/\$15.00 Cardas rosin flux... 2 ounce jar/\$14.00

CARDAS SOLDER: George Cardas' own proprietary SN62 blend, tin, lead, silver, copper (Quad), 20ga. eutectic with low 338°F melting point, excellent working properties and sonics, very little shrinkage as it cools, so especially useful for large solder joints and heavy gauge wire termination.
 Quad-Eutectic \$108/pound, \$55/half pound, \$28/quarter pound
 Cardas Tri-Eutectic lead free solder... \$85/pound, \$43/half pound, \$22.00/quarter pound

MusiCoat: Unique fluid product from TRT, the developers of the InfiniCap and Wonder Solder. Use this product to coat resistors, transistors, IC's, even circuit boards, cure the aggressive artificial glare of solid state and digital gear, and transform the sound of your system. It works by compensating for the poor dielectric properties of the materials used to encapsulate circuit components and reduce the multiple internal reflections that create glare. While extremely costly and time consuming to manufacture, only a tiny amount is required to adequately treat a single hi-fi component. One small vial (about the size of a very small perfume sample) will adequately treat a typical preamp or CD player. This would be the coup de grâce after finishing a capacitor and other parts upgrade to a high end component... \$99.00 per vial

NON-INDUCTIVE DUMMY LOAD: 8Ω, 250 watt power resistor in gold aluminum heat sink case for amplifier dummy loads. This high power non-inductive resistor is a perfect choice for an amplifier load during critical distortion testing, setting AC balance, testing frequency response, etc.... \$74.95 each

TUBES

I carry a small selection of the most popular tubes in current manufacture from RAM Labs and a few n.o.s. Gold Aero as well as an occasional other type or two. Neither of these companies are tube manufacturers as such, both specialize in purchasing tubes in large quantities from various sources they believe to manufacture the best tube of a particular type, then they test and match these tubes to a very high standard. This process assures you of the lowest noise possible in

their highest grade tubes, as well as very close matching and extremely low gas for power tubes, all backed by a 90 day warranty. My primary stock is from RAM Labs as they offer the best pricing on graded



tubes and Gold Aero is out of business. A RAM Labs "LN" grade 6DJ8, for example, is typically the best one in ten; a "SLN" would perhaps be the best of a hundred tubes tested. Even their Standard grade tubes are quieter than an average off the shelf tube. You may find the same tube for less elsewhere but you have no guarantee as to its noise level and might have to purchase several to find a quiet one. RAM Labs publishes a very

informative white paper on the necessity of careful power tube matching even if you have

individual bias for each tube, copies on request.

	KAM Lab	s I win I riodes	
<u>Triode</u>	Super Low Noise	Low Noise	<u>Standard</u>
6DJ8	\$50.00 \$63.00	\$25.00	\$16.95
6922	\$63.00	\$39.00equivale	nt grade 6DJ8 \$21.95
12AX7	\$50.00	\$25.00	\$16.95
12AU7	\$50.00	\$25.00	\$16.95
12AT7	\$50.00	\$25.00	\$16.95
12BH7	\$41.95	\$33.50	\$25.00
5751	\$50.00	\$25.00	\$16.95
5965	\$50.00	\$25.00	\$16.95
6FQ.7	\$41.95	\$33.50	\$25.00
7044	·	\$33.50	\$25.00
			• • • • •

PAM Labo Turin Triado

Matched Pair Power Tubes & Others

6550 (<i>RAM</i>)China/\$60 Russia/\$80 6SN7 tested (not matched) singles \$20	*** 6AS7 are new stock from Atmasphere
5AR4 (<i>RAM</i>) <u>one single left</u> \$30.00 6AS7G <u>singles</u> ***	

6DJ8 are mostly Russian, a few Yugo, all 6922's are Russian, 12AX7/AU7/AT7's are Yugo & other. SLN, LN, S grades reflect individual section grades of dual triodes. the Standard grade is a good choice for high level stages and cathode followers and is quieter than a typical ungraded tube. If lowest possible noise is not required do not spend unecessarily on a higher grade tube!

RAM matched pair power tubes are computer matched for bias current (\pm 5%) and transconductance (\pm 10%) to a very tight standard. Close matching under in circuit simulation at typical working voltages is essential for amplifiers even with AC balance and bias adjustment for each tube, otherwise asymmetrical clipping and power loss may occur.

NOS TUBES: Philips USA 6922: Industrial grade 6DJ8 equivalent, untested, sold "as is"... \$6.95 ea.

TUBE SOCKETS

9 Pin Miniature chassis mount with gold plated contacts and bracket in a white glazed ceramic base, made in China top mount or bottom mount style, China @\$3.95 (10+ deduct 10%)

9 Pin Miniature Azuma PC mount type, plated contacts, white glazed ceramic, ... \$8.95/gold or \$6.95/silver (10+ less 10%)

9 Pin Miniature unglazed chassis mount style with what appears to be tin plated contacts @\$2.95

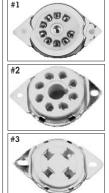
9 Pin Shielded Miniature chassis mount phenolic with tinned copper contacts and aluminum shield... \$3.50 each (10+ less 10%, 25+ less 25%)

7 Pin Miniature Azuma chassis mount top mount to fit 0.625" hole with 0.825" screw spacing, plated contacts... \$7.95/gold or \$6.95/silver

5P UY, 6P UZ five and six pin chassis mount glazed ceramic sockets with silver plated contacts... \$6.50 each (10+ less 10%, 25+ less 25%)

Octal: Azuma Chassis mount white glazed ceramic (figure #2) with gold or silver plated contacts, mounts from underneath the chassis and requires 1.10" diameter chassis hole with mounting screw holes spaced on 1.5" centers... \$10.95/gold or \$7.95/silver (10+ less 10%)

UX4 Sockets: Chassis mount white glazed ceramic, bottom mount, four pin ceramic (figure #3) with plated contacts... \$9.95/gold or \$7.95/silver Yamamoto Sockets & Plate Caps: Where only the very best in the world will do! Machined Teflon or epoxy impregnated wood laminate, 9 pin chassis mount, octal, UX4 and many other types with removable gold plated machined phosphor bronze or silver plated brass contacts, call for \$\$. Teflon Tube Sockets: Reasonably priced Teflon chassis mount sockets with gold plated contacts, 9 pin, Octal, UX4... \$22.95 each (see below).



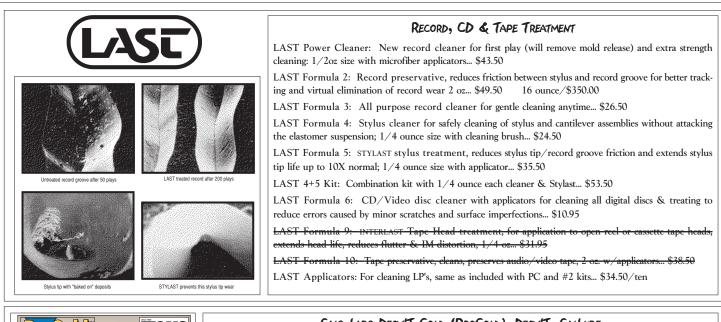
A few other ceramic types with silver contacts available, 7PMT, 6PUZ, 5PUY... ask for quote

PEARL TUBE COOLERS: Heat sinks for tubes! In some circumstances, particularly for amplifier power tubes, these can greatly extend tube life. Along with the general destructive properties of high temperatures, there is evidence that the tube glass envelope becomes somewhat porous at high temperatures allowing the penetration of air into the envelope, which greatly hastens the tube deterioration. Coolers are available for a variety of octal and nine pin types. The octal power tube coolers come in a standard (PSF) and close spacing (PCF) type; if your power tubes have less than 1.05" inch spacing between each glass envelope or less than .95" spacing between them and a nine pin type on which you have installed a cooler, then specify the PCF close fitting style coolers. The PCF close fitting coolers work with envelope spacing as close as .60". The 9 pin coolers will work with envelope spacing as close as .60" with the outer band removed or .85" with bands installed. Specify type care-

with the outer band removed or .85" with bands installed. Specify type carefully! Two bands are supplied for use with each standard fitting Tube Cooler. They are not used with the close fitting types, thereby allowing very tight spacing between tubes. Our prices about 50% less than elsewhere!

*OSF 8 (fits octal small signal tubes, 6SN7, 6SL7, 6BL7, 6BL7, 5691, 5692) \$5.95 ca.
 *PSF-200 & PCF-200 (fits 2"D bottles)... \$8.95 each
 *PSF-150 & PCF-150 (fits 1.5"D bottles)... \$8.95 each
 *PSF-125 & PCF-125 (fits 1.25" bottles)... \$8.95 each
 *PCF-250 (fits 2.5" D bottles, 211, 813, 845 tubes)... \$11.95 each
 *MSF 9 (fits 9 pin small signal tubes, 12AX7, 12AU7, 12AT7, 6DJ8, 7199)... \$5.95 each
 *MSF 9 (fits 9 pin power tubes, 6BQ5, 6FQ7, EL84, 7119)... \$5.95 each

Tube Dampers: High temperature $0.75^{"}$ ID (450° F) silicone rings which fit 1" diameter triodes such as 6DJ8, 12AX7 etc. to mitigate the microphonic properties of tubes. These won't dry out and crack like the neoprene types (some neoprene available on closeout @25¢ each). Two per tube will reduce vibrational feedback and reduce hysteresis distortion... 60¢ each or ten pieces for \$5.00. We also have a 1.0625" ID silicone rings which fits 1.25" diameter tubes perfectly... 95¢ each or ten pieces for \$8.00





CAIG LABS DEOXIT GOLD (PROGOLD), DEOXIT, CAILUBE

Caig DeoxIT Gold is a super high perfomance metal contact conditioner. It deoxidizes, cleans surface contamination, improves conductivity, penetrates plated surfaces, molecularly bonds to the base metals, and seals out oxygen to prevent oxidation. <u>DeoxIT Gold Spray</u>: contact enhancement 5% solution in a purified naptha solvent cleaner (rated to 200°C). 5 ounce spray can/\$24.95, 20ml mini-spray can/\$10.95 (24" <u>extension tube</u> @50¢) (foam swabs @35¢) <u>DeoxIT Gold liquid</u>: 100% solution (rated to 200°C)... 7.4ml bottle with brush applicator/\$29.95, 2ml tube liquid/\$6.95 7ml pen type applicator for easy spot treatment/\$21.95 small nylon connector cleaning <u>brush</u> for RCA's, etc. @50¢ <u>GxL DeoxIT Gold</u>: GX high temp formulation for use up to 400°C, best for extreme heat applications. 225ml 5% spray/\$39.95 20ml 5% mini-spray/\$13.95 7.4ml 100% GX100L liquid with brush applicator/\$32.95 cloth wipes 1.5" square saturated with highly concentrated deoxidizing action (20% deoxidizing ability vs. 5% for DeoxITGold) follow with DeoxIT Gold for maximum performance... 200ml 5% spray/\$16.95 or 100% liquid 7.4ml bottle w/brush/\$17.95 <u>CaiLube MCL/FaderLube</u>: Specifically to clean and lubricate plastic and carbon pots and sliders, unlike DeoxIT & ProGold which are only for metal contacts. 5% solution 200ml spray can/\$16.95, 14gr spray/\$11.95, or 2ml liquid tube/\$5.95

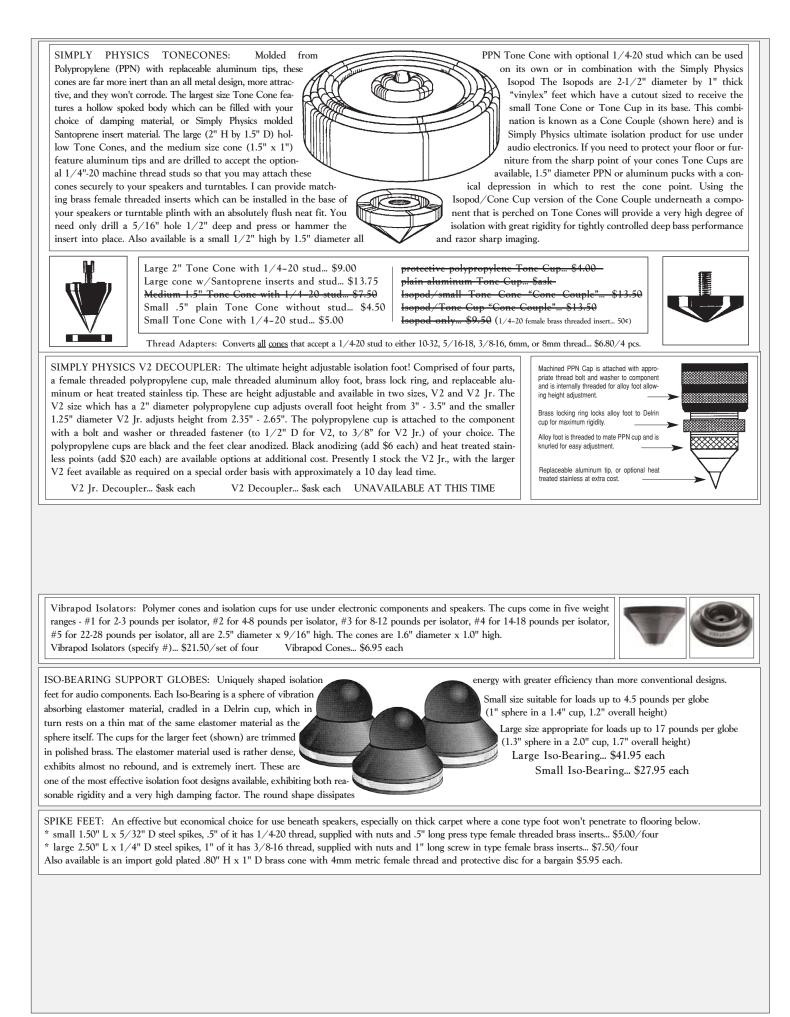
which are only for metal contacts. 5% solution 200ml spray can/\$16.95, 14gr spray/\$11.95, or 2ml liquid tube/\$5.95 <u>CaiKleen 41</u>: No residue contact cleaner/degreaser... 14 oz spray/\$14.95 Spray cans and flammables may not be shipped outside the USA --- linside the USA we must use surface mail

Socket Savers: Specially designed pair of nylon brushes for cleaning octal & miniature tube sockets, use with solutions above... \$12.95 set two

XLO/RR Test & Burn-In CD: This is the latest version of the step by step guide lead by Roger Skoff of XLO and Keith Johnson of Reference Recordings and other tracks on this disc will provide component demagnetization & burn-in, allow you to check absolute phase, soundstaging, speaker placement, wiring & polarity, and balance. It is surround sound compatible and ideal for home theater setups with Dolby Pro-Logic or similar systems. There are also classical and jazz selections recorded by Keith Johnson. HDCD disc compatible with all CD and universal players ... \$19.95



Auric Illuminator; CD treatment kit, surface and edge treatment for better sound @\$19.95 special



DAMPING SHEETS, COMPOUNDS, MOUNTING HARDWARE

SORBOTHANE: Adhesive backed .1" thick 6" square sheets of Sorbothane which you can slice up and apply to tonearms, cartridge bodies, etc., especially effective in constrained layer applications where it is sandwiched between other materials... \$18.95 each

EAR ISODAMP SD: Self-adhesive semi-rigid damping sheets from the industry leader in vibration, shock, and motion control. Maximum performance with minimum weight and thickness, low memory, resists cracking in tightly angled spaces, meets UL 94V-O certification for flame resistance. The best material available for free air damping of metal parts, circuit boards, and chassis covers and enclosures. SD-40 is greenish brown in color, SD-125 is black. Three variations of this material are available: *SD40... .040" thick sheet, .37 pounds per square foot: 12" x 27"/\$35.00 or 9" x 12"/\$13.00

*SD40AL... .040" thick w/ 5 mil aluminum constraining foil for increased damping and flame resistance: 12" x 27"/\$58.00 or 9" x 12"/\$20.00

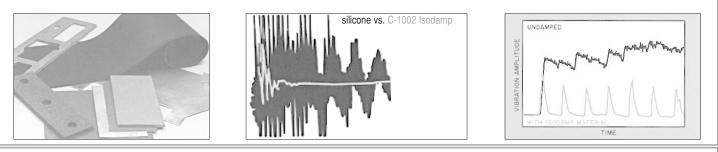
*SD125... 0.125" thick sheet, 1.11 pounds per square foot: 12" x 27"/\$60.00 or 9" x 12"/\$22.00 or 9" x 6"/\$12.00 (my first choice for damping metal chassis)

EAR TAD Damping Foils: Composite extensional damping sheet consisting of viscoelastic pressure sensitive adhesive constrained by an aluminum foil layer, very light and flexible for weight sensitive applications, the .005" thickness is excellent for damping tone arms, .005" x 9" x 12"/\$3.50 each

EAR C-1002 ISODAMP: Compliant sheet material for high performance constrained layer damping, low rebound, excellent for making shock mounts, turntable and isolation bases, available in a variety of thicknesses to accommodate any need, tough yet soft and flexible, blue color, not adhesive backed.

.015"... 12" x 27"/\$14.95, 12" x 13/\$8.00 ... 12" x 27"/\$16.95, 12" x 13"/\$9.50 ... 062"... 12" x 27"/\$29.95, 12" x 13"/\$15.50

.125"... 12" x 27"/\$44.95, 12" x 13"/\$23.50 ... 12" x 27"/\$89.95, 12" x 13"/\$46.50, 9" x 12"/\$31.50, 6.5" x 12"/\$23.50, 6.5" x 6"/\$12.50



EAR Isoloss Sandwich Mounts: Male/female thread isolation mount which is ideal for mounting circuit boards or any component assembly that would benefit from vibration isolation. The soft Isoloss SL201 material is used in the construction of the #4.40 mounts, and the SL252 material for the #6.32, while the 1/4.20 mount uses the denser H material. The male/female style of these mounts permits attachment to chassis' of any thickness with the appropriate length screw, and you may stack these on top of conventional standoffs if you need more clearance below your circuit board than a single mount will provide. Best for compression load, limited shear strength for vertically mounted boards. (10+ deduct 10%, 25+ $\cdot 15\%$ - per size)

#4-40 thread, dimensions P = .200", L = .320", D = .280", T = .110", maximum compression load per mount 6oz., \$3.95 each #6-32 thread, dimensions P = .375", L = .500", D = .405", T = .160", maximum compression load per mount 10oz., \$3.95 each 1/4-20 thread, dimensions P = .50", L = .625", D = .600", T = .360", maximum compression load per mount 12 pounds, \$5.95

EAR G411 Isoloss Grommets: Fabricated from Isoloss SL201 and HD urethane elastomers, a far more effective isolation material than used in any rubber or silicone grommet. Isoloss isolators act much like shock absorbers. The isolators start out stiffer at the beginning of an impact and become increasingly softer to bring motion to a controlled stop. They provide controlled deceleration, reducing peak forces during sudden stops and eliminate excessive rebound. These grommets feature a ribbed surface and are sized for a 3/8" hole and will accept screws up to 1/4". The maximum load per grommet for the softer, "lossier" SL201 type is 5 ounces, for the harder HD type it is two pounds. Use enough grommets so as not to exceed the maximum load per unit, and do not overcompress the grommets by excessively tightening your hardware. Specify SL or HD type \$.95 each 50+/85¢

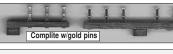
D

EAR Equipment Feet: Replaces standard single screw mount rubber feet commonly found on most audio equipment. Formed from black EAR Isodamp C1002 material. <u>MF-1010</u>are 1.0" D x .5" H, accept 3mm D screw, load range 5-15 pounds... 75¢ each - L-021are 1.5" D x .75" H, accept 5mm D screw, load range 10-20 pounds... \$3.50 each

Deflex Washers: 25mm diameter x 11mm thick washer with an 8mm center hole comprised of Deflex damping meterial - excellent for isolating transformers, circuit boards, and other components from vibration... 75¢ each deduct 10% for 10+, 20% for 25+ pieces

Terminal Strips: High quality ceramic terminal strips with two to eleven silver plated horseshoe style contacts and female threaded metric standoffs, and a variety of insulated ceramic posts in various configurations... \$2.95/two contacts, \$3.95/four contacts (actual size shown at right), \$4.95/six contacts, \$6.25/eight contacts, and \$8.50/eleven contacts. Also available are the Yamamoto terminal strips formed from Teflon or Complite (resin impregnated wood laminate) with gold pins (examples pictured are smaller than actual size). In addition we have the Grennan Teflon strips with OFHC twist eye contacts that mount with two screws... four contact/\$13.25, five contact/\$14.95, and six contact/\$16.95.

Please email for further pricing, images and/or request enclosure of a descriptive data sheet with any order.







SPECTRA DYNAMICS DEFLEX DAMPING

Deflex Corner Blocks: Designed for use with the Deflex Panels, Corner Blocks will fit into any enclosure with unreinforced square corners. Every corner in an enclosure ha the potential of reflecting sound back on its original path. 75mm size only \$2.50 each

Deflex Wrap: This is a ribbed damping material 15mm thick and is intended for damping flat panels in horn loaded and transmission line speaker systems and for wrapping port tubes or any curved surface inside speakers, easily bent to shape and cut, 8.25" x 11" sheets... \$22.50 each - 10+ deduct 10%

Magnapad Gold: A complementary product from Spectra Dynamics designed to be glued to the back of speaker magnets and absorb unwanted vibration at the magnet structure and prevent further sound reflection. Advanced polymer material 8mm thick with the same concentric ring surface emulation characteristics as their Deflex Panels, available in three diameters... 75mm/\$2.50 $\frac{175mm/\$4.95}{225mm/\$9.95}$ each

Hexi Flex Tiles: 100mm diameter x 6mm thick hexagonal Deflex tiles, excellent for automotive h fi applications or covering any irregular surface... \$3.75 each

Isolation Blocks: Made of the same Deflex low reilience polymer, these blocks are superb isolators for applications ranging from speaker crossovers to electronic components Four shapes available... 43mm round x 26mm H/\$2.95 75mm² x 20mm H/\$7.50 150mm² x 20mm H/\$21.50120mm round x 30mm thick with 35mm D center hole (intended to isolate a torroidal transformer) @\$9.00

TURNTABLE ACCESSORIES

Spectra Dynamics Turntable Mat: A 375 gram, 4mm thick x 11.7/8 " diameter laminated mat comprising several materials and incorporating their polymer Deflex damping material, somewhat firmer to touch than the AQ Sorbothane mat, the best of the softer mats... \$69.00

Audioquest Record Brush: An indispensible accessory for removing dust from your records before each play. With over one million conductive fibres, the bristles of this brush will penetrate to the bottom of the record groove to scoop out dust particles and help discharge static buildup. Pads and cloths can only remove dust from the surface of the record, carbon fibre brushes are the only dry treatment that will reach deep into the record groove... \$15.95

DB Phono Alignment Protractor: The most versatile cartridge overhang alignment tool available. If you care to experiment with various alignment geometries this gauge can be used to optimize overhang for any two points on the record. There is no need to be able to find the center of your arm pivot with this gauge, but a cartridge body with parallel sides will make using this device somewhat easier. Excellent instructions are provided... \$46.95

Shure Stylus Force Gauge... Non-magnetic balance for adjusting cartridge tracking force, easy and quick to use, still my first choice for fast setup, nothing else really works better, final adjustment should always be by observing cantilever deflection anyway... \$24.95

Cardas Sweep Record: Newly revised 180gr LP produced by George Cardas, and mastered by Stan Ricker on a Neumann VM66 lathe with helium cooled SX-74 cutter head, using console and cutter head electronics designed by Keith Johnson. The record contains a series of standard tones, locked white noise grooves that repeat endlessly, tracks for degaussing your cartridge and playback chain, ultrasonically cleaning your cartridge, polarity checks, absolute phase, even a sync label to check platter speed... \$27.00

Allsop Orbitrac 2... Very popular out of production manual cleaning device for LP's - we found some stock I thought was long gone - get them while you can! \$63.00 for the complete kit with two extra pair cleaning pads (3 pair total)



Notes on Export Shipments:

All prices listed in my catalog, and shipping charges, are based on delivery to destinations within the USA. Extra funds must be included with your order for shipping to other countries. You are encouraged to email with a list of items and a complete shipping address and I will reply with a price quote which will include freight cost. Terms are prepayment in US \$\$ funds by PayPal (3% fee), International Money Order, bank check payable on a US bank, or Western Union. Sorry - no direct credit card payments. You may also wire funds to my bank but you must allow \$27.00 additional for fees charged to me in the US by my bank, and the originating US bank. Any excess will be credited.

In order to avoid the excessive customs' duties imposed by many countries I normally list a declared value much less than the retail value of the goods shipped. This can result in a substantial savings for you. We are now able to insure international shipments to most countries except Greece and the Balkan states for their full value while still declaring low value for customs. We will always quote with full value insurance where possible unless you request otherwise. Any shipments that are not insured, either due to your request, or because our insurer will not insure to that destination, are sent entirely at your risk of loss. All insurance claims must be made within 90 days of ship date.

I ship almost all overseas packages by First Class Intl. Mail, or in <u>small flat rate</u> Priority Mail boxes. While not trackable these are the most effective options. For shipments over four pounds, particularly those of higher value I favor standard Priority Mail Intl., or Express Mail, both of which are trackable . We can also ship by United Parcel Service or Federal Express if you prefer, but expect the freight and custom's clearance costs to be very significantly higher. If you have any specific shipping instructions, state them; otherwise I will use my best judgement in determining the least expensive method and ship with full value insurance where possible, and a low value declaration for customs.

RETURNS: Most items are acceptable as a return for full credit toward other merchandise <u>up to 60 days</u> after purchase. If a cash refund is preferred a <u>10% restocking fee</u> may apply. Please inquire before returning any item if you wish a cash refund. Metal film resistors, IC's, and cut lengths of wire, braid, etc. are <u>not</u> returnable. Any items which show obvious signs of wear or abuse, or have been soldered are not returnable unless defective. Tubes within warranty are exchangeable with the manufacturer. Replacement of IC's or parts that are static sensitive you believe defective should be returned to the manufacturer for inspection and replacement. Credit for returned capacitors does not include any fee charged for 1% matching or custom selecting to specific value. Please consult with me prior to returning any item to avoid possible misunderstanding. All returns must be packaged carefully! You must provide adequate packaging for returned parts. I've received any number of returns in plain unpadded envelopes with the contents damaged or torn out of the envelope by postal sorting machinery. If your return is damaged or lost in shipping you will not receive credit for it!

IEC POWER PLUGS: These are the type of connectors used on virtually all audio components that have detachable power cords. I have both the commonly used 10-15 amp style and the much better 20 amp connectors. Unfortunately almost no one uses the 20 amp type which has much larger, higher pressure, lower resistance contacts, but is not interchangeable with the 10 amp types. If you are converting equipment to utilize a detachable power cord, or are willing to replace the male connector on equipment that uses a 10 amp IEC connector, then by all means use the 20 amp style. The 20 amp male requires a 33mm x 25mm hole with 42mm hole centers for the mounting screws. This means enlarging the main opening significantly over the 10 amp type but the mounting screw holes need only be widened 1mm each beyond the nor-

mal spacing for the 10A type IEC so they can be reconfigured with little difficulty. Deduct 10% for ten or more pieces per individual type. *10A Swiss made female for end of power cord, straight... \$8.95 SPECIAL \$5.95 10A male panel mount connector... \$2.95 each *H320C, Hubbell 20A female for end of power cord, straight, clam shell case... \$10.50 H320B, Hubbell 20A male chassis mount... \$7.95 **CORD STRAIN RELIEFS:** Collet type strain relief for power cords or other cables, black nylon body with internal rubber seal, three sizes: (cable size .16" to .31"/requires .60" chassis hole/\$4.15) (cable size .24" to .47"/.80" hole/\$5.95) (cable size .51" to .71"/1.12" hole/\$8.50)





KIMBER WATTGATE POWER CONNECTORS

Model 320i Economy IEC: At last, a15A IEC that will accept cable diameters over 16mm and 10ga conductors easily, and perhaps up to 6ga with modification. ... clear or black housing @\$19.95 (also available is the 320iHC 20A style @\$30.95) Model 350i IEC: Same as 320i but with triple plated OFC/Electroless Nickel/24K Gold contacts and Blue Star Audio Grade marking. Same 15A/125V, 10A/250V rating as the 320, but yields superior sonic performance... black only @\$77.00 Model 330i male Power Plug: Same Audio Grade Blue Star construction as the 350 IEC in a NEMA 5-15P power plug @\$77.00 Model 5266i male Power Plug: NEMA 5-15P plug that will accept up to 16mm cable & 10ga conductors, clear or black @\$12.95 Model 381 Receptacle: 20A Duplex receptacle, grey color glass-filled nylon front and gold plated heavy duty contacts @\$147.00 Deduct 10% for six or more Wattgates, 20% for twelve or more, mix ok.

OYAIDE POWER CONNECTORS

P-037 AC power plug, silver/rhodium @\$95.00 SALE! \$75.00 P-079 AC power plug, direct gold plate @\$99.00 SALE! \$75.00 SWO-DX 15A duplex receptacle, Ag/Rh plated phosphor brom

FURUTECH

FI-11 (Cu)copper IEC-320 female cord mount connector... @\$29.50 "sale"FI-11M (Cu)copper male cord mount NEMA 5-15P... @\$29.50 "sale"FI-11 (G)...gold plated IEC 320 female cord mount connector... @\$49.50 "sale"FI-11 (G)...gold plated IEC 320 female cord mount connector... @\$49.50 "sale"FI-03(G)gold plated male cord mount NEMA 5-15P... @\$49.50 "sale"FI-03(G)gold plated, 15A IEC male panel mount inlet, 5x20mm fuse @\$21.50FI-03(R)Rh plated, 15A IEC male panel mount inlet, 5x20mm fuse @\$27.50FI-09(G)gold plated, nylon body 15A IEC male panel mount inlet @\$85.00FI-09(R)rhodium plated, nylon body15A IEC male panel mount inlet @\$105.00FI-10 (G)gold plated eutectic brass 15A IEC male panel mount @\$27.00FI-10 (R)rhodium plated eutectic brass 15A IEC male panel mount @\$35.00

<u>FI-31 (G)</u>...gold plated male cord mount 20A female IEC... @\$139.00 <u>FI-8N</u> C7 IEC style cord mount @\$56.50 gold, or \$70.00 rhodium <u>AC INLET (G)</u> basic gold plated 15A IEC male panel mount inlet @\$12.50 <u>AC INLET (R)</u> basic rhodium plated 15A IEC male panel mount inlet @\$17.00 <u>FP-15A-N1</u> duplex receptacle @\$59.95 copper, or \$79.95 gold, or \$103 rhodium

C-037-IEC female 10/15A cable mount plug, silver/rhodium @\$95.00 SALE! \$75.00

C-079 IEC female 10/15A cable mount plug, direct gold plate @\$99.00 SALE! \$75.00

890.00 SALE! \$70.00, or **SWO-GX** with 24K direct gold plate @\$95.00 SALE! \$75.00

Deduct 10% for 6+ any Furutech - mix ok (20% for 12+ FI-11 Cu types only) Items above are stock, but we can obtain any Furutech item you require.

Acme Audio Fuse Holders

15A AGC style fuse holder: silver plated & cryo treated @\$5.95 each

Circuit board fuse holders: individual pc mount fuse clips, cryo treated silver plate, specify 5mm @\$4.95 pair or 1/4" @\$5.95 per pair

2A 10mm x 38mm fuse for CJ amplifier @\$35 - special - 2 available H-FI TUNING FUSES

Audiophile Fuses: Hand made in Germany, pure silver wiring, gold over silver end caps, ceramic casing, cryogenically treated 5x20mm @\$25 or 6.3x32mm @\$35 Subject to stock on hand as only the Hi-Fi Supreme fuses (small @\$75 & large @\$95 - special order) remain in production Most fuses in our stock are the original gold over silver element, and some with unplated silver burn wire - ask about available values.

5 x 20mm Fast Blow "F"	5 x 20mm Slow Blow "T"	6.3mm x 32mm Fast Blow "F"	6.3mm x 32mm Slow Blow "T"
125mA, 200mA, 250mA, 315mA, 400mA 500mA, 630mA, 800mA, 1A, 1.25A, 1.6A 2A, 2.5A, 3A, 3.15A, 4A, 5A, 6.3A, 8A 10A, 12.5A, 15A, 20A	50mA, 80mA, 100mA, 125mA, 160mA 200mA, 250mA, 315mA, 400mA, 500mA 630mA, 800mA, 1A, 1.25A, 1.6A, 2A 2.5A, 3A, 3.15A, 4A, 5A, 6.3A, 7A, 8A 10A, 12.5A, 15A, 16A, 20A	250mA, 315mA, 400mA, 500mA, 630mA 800mA, 1A, 1.25A, 1.6A, 2A, 2.5A, 3A 3.15A, 4A, 5A, 6A, 6.3A, 7A, 8A. 10A 12A, 12.5A, 13A, 15A, 16A, 20A	250mA, 315mA, 400mA, 500mA, 630mA 800mA, 1A, 1.25A, 1.6A, 2A, 2.5A, 3A 3.15A, 4A, 5A, 6A, 6.3A, 7A, 8A. 10A 12A, 12.5A, 13A, 15A, 16A, 20A

WA - QUANTUM CHIPS

We don't understand the technology behind these, but our customers have requested we stock these "bio-energetic chips". Adhesive backed, they are affixed to various components, such as fuses, capacitors, and transformers, and are reputed to influence the efficiency and current flow and signal transmission on a subatomic level, with a net result of greater definition, more natural sound, and improved separation according to user reviews. Here is what is currently available:

6mm Fuse Chip @\$9.00 20mm Capacitor Chip @\$28.00 5mm Headshell/Tonearm Chip @\$10.00

15% off the above pricing until they're gone

Kiwame Carbon Film Resistors: Compact 1000VDC rated 5% 2W @70°C and 1200VDC rated 5% 5W @70°C types especially suited for tube electronics, low noise, very natural sound. Actual tolerance measures typically 0.5%. Both have 0.030" tinned copper leads. My customers rave about these! 10% discount for 25+ per value <u>2W</u> (0.16" D x 0.50" L) @\$.95 each except those marked ** @\$.49 5W (.32" D x 0.95" L) @\$1.95 each except those marked ** @\$.95

Kiwame 2W	110Ω	680Ω	4.30K	27.0K	160K
.150" D x .50" L	120Ω	750Ω	4.70K	30.0K	180K
10Ω**	130Ω	820Ω	5.10K	33.0K	200K
12Ω	150Ω**	910Ω	5.60K	36.0K	220K**
15Ω	160Ω	1.00K	6.20K	39.0K	240K
20Ω	180Ω	1.10K	6.80K	43.0K	270K
22Ω	200Ω	1.20K	7.50K	47.0K**	300K
24Ω	220Ω	1.30K	8.20K	51.0K	330K
30Ω	240Ω	1.50K	9.10K	56.0K	360K
33Ω	270Ω	1.60K	10.0K	62.0K	390K
	300Ω	1.80K	11.0K	68.0K**	430K
47Ω	330Ω	2.00K	12.0K	75.0K	470K
56Ω	360Ω	2.20K	13.0K	82.0K	510K
62Ω	390Ω	2.40K	15.0K**	91.0K	
68Ω	430Ω	2.70K	16.0K	100K**	
75Ω	470Ω	3.00K	18.0K	110K	
82Ω	510Ω	3.30K	20.0K	120K	
91Ω	560Ω	3.60K		130K	
91Ω 100Ω		3.90K	24.0K	150K	
100Ω	620Ω	3.90K	24.0K	150K	51.0K
	620Ω 	3.90K 		150K 	56.0K
100Ω Kiwame 5W .35″ D x 1.0″ L 2.2Ω	620Ω 13Ω 15Ω	3.90K		150K	
	620Ω 13Ω 15Ω 16Ω	3.90K 	24.0K		56.0K 62.0K
		3.90K 			56.0K 62.0K 68.0K**
<u>Kiwame 5W</u> .35″ D x 1.0″ L .2.2Ω .2.4Ω .2.7Ω .3.0Ω		3.90K 			
100Ω Kiwame 5W .35" D x 1.0" L .2.2Ω .2.4Ω .2.7Ω .3.0Ω .3.3Ω					
100Ω Kiwame 5W .35° D x 1.0° L 2.2Ω 2.4Ω 2.7Ω .3.0Ω .3.3Ω .3.9Ω .4.7Ω					
<u> Kiwame 5W</u> .35 [°] D x 1.0 [°] L .2.2Ω .2.4Ω .2.7Ω					
.100Ω Kiwame 5W .35° D x 1.0° L .2.2Ω .2.4Ω .2.7Ω .3.0Ω .3.3Ω .3.9Ω .4.7Ω .5.1Ω .5.6Ω .6.2Ω .6.8Ω					

Duelund Coherent Resistors

Superb non-inductive paper encased graphite element resistor with pure silver leads, all natural materials and completely non-magnetic. Designed for speaker crossovers, this resistor displays a negative temperature coefficience meaning it will counteract the rising impedance of the voicecoil when used in series. \$17.95 each

1, 0		0		0 1					
0.47Ω 5W (67mm L)	1.0Ω 10W (135mm L)	1.5Ω-10₩	<u>2.2Ω-10₩</u>	<u>3.3Ω 10₩</u>	4 .0Ω 10₩	4.7Ω 10W	5.6Ω 10W	6.8Ω 10W	<u>8.0Ω-10₩</u>
	1. Sec.		-	-					
		-	Carte	Noterant resident	A DECEMBER OF	-			
			Source:						
			Garbon	Aver resistor	100				
			Contraction of the						
Auricap metallize	d bolybrobylenes	ı 0.68uF	600V	\$20.50	1.1" x 1.2"	6.0uF		\$29.50	1.1" x 1.
		1.0µF	200V			7.0µF	200V		1.1" x 1
	2.95								
	1.25	1.0µF	600V		1.3" x 1.4"	9.0µF	200V		1.3" x 1
	8.50	1.5µF	400V			10µF	200V		1.3" x 1
)22µF1	0.95	2.0uF	200V			12uF	200V		1.4" x 1
	3.50	2.0uF	600V		1.5" x 1.7"	15uF	200V		1.5" x 1
	1.95								
0μF1	5.50			19.95					
	3.75							.48.95	
0µF1500V1	6.75					2224			
2µF	3.75			18.95					
2uF	5.50								
	4.95					Superior (audio grade m	netallized polyp	ropylenes. Blo
	5.251.8" x 1.2"					lead is ou	ter foil, and ma	nufacturer recor	nmends this le
	5.50					be source	e in coupling	applications ar	nd at ground
	9.951.0" x 1.2"							ect 05/2007 pric	
	3.501.3" x 1.3"							nce except whe	
	3 05 60" y 87"	5.0μF					10% for Aurico	-	

©Michael Percy 2017

.22.95

.....1.2" x 1.5"

Deduct 10% for Auricap order over \$250.00, mix ok.

.400V

5.0µF

🖓 Bybee Technologies

The A/C Solution

Half Moon Bay, California

About Bybee Technologies - And Bybee Quantum Purifiers

Jack Bybee, a theoretical physicist specializing in quantum mechanics and superconductivity, developed a series of esoteric wire and power purification technologies for the passive sonar systems of the U.S. Navy's atomic submarine fleet. Even the battery stored DC power used in these submarines required special filtration to lower the noise floor to a level that did not compromise sonar performance. Many of the military applications of this technology are still classified; however, continuing research has led Jack Bybee to the development of solutions specific to power and audio/video circuits: the Bybee Quantum Purifiers.

The Problem

There are many kinds of noise associated with electronics. In audio reproduction, electronic noise is often manifested as lack of detail, focus and resolution. In video, this noise creates obstacles to achieving industry standards for sharpness and color definition. The removal or reduction of noise in the conducting medium is our goal.

The Noise

Bybee Quantum Purifiers address several kinds of electronic noise. Thermal noise in electronic equipment is typically created by the excitation of phonons, which are resonances in conductors caused by the movement of electrons through the quantum well. Phonons are a type of noise in themselves; they are caused by a certain class of electrons colliding with the crystal lattice of conductors (silver, copper, etc.) through which they are being transmitted. Such phonons travel, not at the speed of light, but of sound, and therefore are instantly out of phase with the signal. Shot noise, which is generated by the operation of transistors, is similar in nature to thermal or white noise. Low-frequency (1/f) noise is always present, and increases as an inverse power of the frequency.

Electrons

The Bybee solution is based on principles derived from quantum mechanics, the study of how electrons behave at the subatomic level. Quantum physicists have learned that electrons have an intrinsic angular characteristic expressed in terms of spin (either up or down), which describes their orbital behavior around the nucleus of an atom. When subjected to Bybee's high-temperature near-superconductive material, electrons tend to join in a beneficial manner, increasing the velocity of propagation (VP) by forming what are known as Cooper's Pairs (one spin-up electron joined with a spin-down). Coopers' Pairs have the unique ability to tunnel through the crystal lattice of the conductor (such as a copper wire) essentially unimpeded, therefore eliminating virtually all quantum noise phenomena. To understand this effect, imagine a football game in which the player receiving the kick off could run straight down field to the goal line without being touched by any defenders.

The Bybee Quantum Purifiers

Bybee Technologies has developed devices fabricated from ceramics doped with oxides of rare-earth metals such as zirconium and neodymium. They achieve a VP of 92% of the speed of light, which is far higher than VPs of common conductors, which typically range from 50 to 70% of the speed of light.

In addition to being near-superconductive, Bybee Quantum Purifiers are electrically passive and stable in any circuit. They induce no phase shift whatsoever, and are totally non-reactive—meaning there is no reactance between capacitance and inductance.

These qualities are beneficial in numerous ways. When placed between an amplifier's power transformer and diode bridge, for example, the Quantum Purifier eliminates undesirable impedance mismatches. In an amplifier-to-speaker connection, the absence of reactance creates an optimal signal transfer and presents an easier load to the amplifier. When transmitting digital information, the Bybee Quantum Purifier eliminates the overshoot and ringing that can occur in the leading edge of the square wave. This type of distortion is a major contributor to the harshness and glare often associated with digital sound.

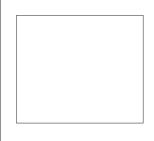
BYBEE QUANTUM PURIFIER DESCRIPTIONS All Quantum Purifiers are specially shielded using ERS Stealth carbon fiber material and are cryogenically treated to enhance performance
Large purifiers (typically used in AC applications, and with loudspeaker transducers): \$170.00 each Length: 2 inches Diameter: 1/2 inch Leads: one inch, 14 gauge copper Current-handling: 15 A Voltage: >1000 V
Small Slipstream Purifiers (typically used in lower-current AC circuits, non-AC analog and digital circuits, and smaller midrange drivers and tweeters where limited space prevents use of the large purifiers): \$83.50 each Length: one inch Diameter: 3/8 inch
Leads: one inch, 18 gauge copper Current-handling: 4.3 A Voltage: >1000 V

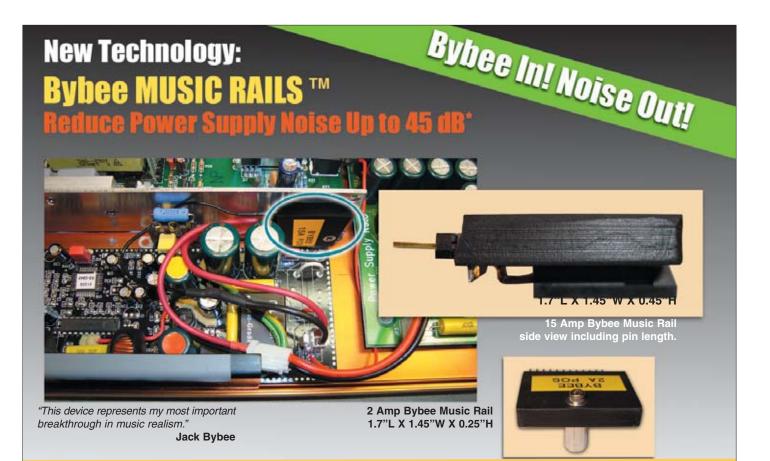












Never before have equipment manufacturers had such an efficient way to reduce signal and noise on the power supply rails *Not like this!* Our new technology is captured in a compact module that reduces power supply signal and noise up to 45 dB. *Hearing is believing.*

Suitable for a wide range of electronic devices, the **Bybee MUSIC RAILS**[™] are direct current power conditioners -- active electronic modules built on small circuit boards that measurably reduce all types of noise on power supply rails. With low noise-floor and low impedance, these exclusive devices produce a highly purified source of DC power.

Unwanted noise power is reduced by a factor of 32,000 times.* There is also measurably less interference among audio stages on the power supply rail due to nearly zero impedance output. Sonically, this results in a blacker background, faster transients, sharper image focus, better bass punch, more detail and improved definition.

BONUS BENEFITS: Our exclusive **Bybee MUSIC RAILS** have shown that they can clean up what the filter capacitor is supposed to do, so fewer or less expensive capacitors can be utilized. This allows OEM equipment that uses the Bybee Music Rails to be small and often dramatically lower in cost.

APPLICATIONS: A Bybee Music Rail is a highly efficient polishing filter that reduces power supply noise throughout the audible spectrum and up to about 100 KHz. It is designed to be placed between the power supply rail and the load circuitry, providing 45dB of noise suppression to a limiting noise floor of less than 20nV/root Hz. With zero external parts counting for voltages up to 24V, and only three external parts for voltages up to 550V, it is ideal for equipment modifiers as well as OEM s. Two versions of the 15 Amp and two versions of the 2 Amp models are available covering positive and negative supply rails at both high and low current levels.

Please refer to or request technical data sheets.

* Suppression factors may vary. Output noise equals either raw supply noise minus suppression or DCPC noise floor, whichever is higher.

2A positive Music Rails @\$74.50 2A negative Music Rails @\$74.50 15A positive Music Rails @\$89.50 15A negative Music Rails @\$89.50 Deduct 10% for 6+ mix. Deduct 20% for 12+ mix. Deduct 25% for 25+ mix.

24V 1W zeners needed for use above 30VDC @\$.25