Today’s radios utilize solid-state components and have very sensitive front ends. The Transi-Trap LT utilizes a hermetically sealed gas filled cylinder which has very reliable, predictable and fast switching characteristics (less than 100 nanoseconds!). It directs the discharged current to an isolated ground terminal (not the coaxial ground) and has a replaceable plug. The LT is for receive and transmit up to 200 watts under 30 MHz. The LT and other protectors must be connected to a proper earth ground.

**TransiTrap LT**
- Order #1502 $29.95
- Replacement cartridge for the LT.
- Pill for LT Order #1503 $17.95

**ATT3G50**
The Alpha Delta ATT3G50 series of coax surge protectors offer wideband capability with extremely low loss. The fast acting gas tube ATT arc plug can be replaced without tools. All models are completely weatherproofed by the use of O-ring seals and all hardware is stainless steel. Made in America.

- The ATT3G50 “N” version (shown) can be used from DC to 3 GHz with typical loss of only 0.1 dB @ 1 GHz and 0.2 dB at 2 GHz. For receive or transmit (up to 200 watts).
- ATT3G50 (N) Order #4003 $59.95
- The ATT3G50U version features UHF female jack (SO-239) and can be used for receive or transmit (up to 200 watts) from 0 to 500 MHz.
- ATT3G50U Order #4004 $49.95
- The ATT3G50UHP is a high power transmit version of the ATT3G50U and can handle up to 2 kW.
- ATT3G50UHP Order #4005 $49.95
- The ATT3G50HP is a high power transmit version of the ATT3G50 (N) and can handle up to 2 kW.
- ATT3G50HP Order #4008 $56.98
- Replacement cartridge for ATT3G50 & U. 3G50 Order #4006 $13.95
- Replacement cartridge for ATT3G50U & UHP. 3G50HP Order #4009 $13.95

**ATT3G50-UBXL** is for bulk-heads up to 1.5", 0-500 MHz up to 200 watts.
- ATT3G50UBXL Order #2794 $54.98

**UCGC**
The Alpha Delta UCGC is a special copper grounding clamp. It allows for the direct attachment of ATT3G50 series surge protectors to your 5/8” ground rod.
- UCGC Order #5808 $49.95

**Diamond SP** surge protectors offer wideband capability with extremely low loss and impulse wave discharge capacity of 6000 Amps. Insulating resistance DC 100 V is over 10,000M ohms. The Diamond SP1000 series is a favorite for HF through 2 meters. The SP1000PW (shown top) is waterproof. The Diamond SP3000W (shown lower) is capable for up to UHF and above and is waterproof. Select the version of this device depending on connector types, frequency and power capacity. For transceiver or receive-only use.

- Order Model MHz Watts I/O Price
- #2313 SP1000 0-1000 400 SO239-SO239 $29.95
- #6169 SP1000PW-1000 400 SO239-LP259 33.95
- #5346 SP3000W 0-3000 200 N Fem-Fem 39.95
- #2357 SP3000P 0-3000 200 N Fem-Male 40.95

**MFJ-1164B**
The MFJ-1164B reduces AC power line RFI, noise, transients, surges generated by computers, motors, RF transmitters, static/lightning by 30 dB and up to 60-80 dB with good earth ground. It provides inductive isolation, capacitive decoupling, RFI rejection, over-voltage protection. MFJ-1164B has four 3-wire, 15 Amp, 120 VAC outlets that are spaced for large adapters. 25 Amps/3000 Watts max. Aluminum case 12 x 3 1/2 x 2 inches. List $99.95
- Order #4743 $84.95

**Paradan**
The Paradan Antenna Disconnect Actuator protects your radio in two ways. When your radio is on, it prevents static-discharge, surges and lightning-strike effects via a gas discharge tube on the coax line input. When it senses your radio is turned off, the antenna’s signal and ground wires are shorted together and grounded plus both the coax center and coax ground are disconnected from the radio. When the radio is powered on, the actuator reconnects the antenna for normal operation. A great insurance policy for your radio.

- Order #1305 $19.98

**Opik AT7516**
The Opik AT7516 air gap surge arrester is not the state-of-the-art in radio protection and are not the best for today’s solid-state rigs. However, if you are on a budget, this device is a whole lot better than nothing! For receive and transmit up to 1000W to 500 MHz. -0.5 dB insertion loss.
- Order AT7516 $3.95

**LandS Precision LSP-UFBUM-2G**
The Lands Precision LSP-UFBUM-2G coaxial lighting surge protector diverts harmful surges to ground. Female SO-239 to male PL-259. With replaceable pill. For 0 to 2 GHz. Rated at 200 watts. Includes washer and bolt to facilitate bulkhead mounting. Ground wire spade lug supplied.
- LSP-UFBUM-2G Order #6499 $19.95
- Replacement protection element (pill). LSP-GT600V Order #5734 $2.99

**Equipment Protection Devices**

---

Universal Radio, Inc.
651-B Lakeview Plaza Blvd.
Worthington, Ohio 43085

Quality Equipment Since 1942

Page 39