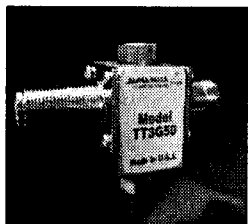
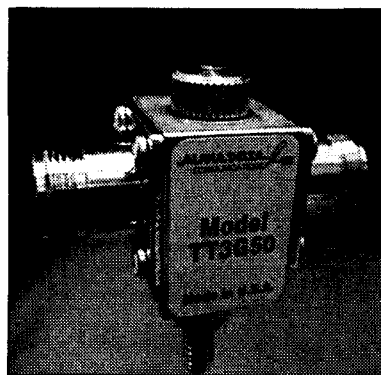


# TRANSI-TRAP<sup>TM</sup> SURGE PROTECTOR

MODEL TT3G50 (Stud Mount)  
MODEL TT3G50B (Bulkhead Mount)  
WEATHER PROOFED



TT3G50B  
(Bulkhead Mount)



MODEL TT3G50 (Stud Mount)

## SPECIFICATIONS

**FREQUENCY:** 0 to 3000 MHz

**INSERTION LOSS:**

<0.1 dB from 0 to 1000 MHz

<0.2 dB from 1000 to 2000 MHz

<0.5 dB from 2000 to 3000 MHz

**VSWR:** <1.10 : 1 from 0 to 1000 MHz

<1.30 : 1 from 1000 to 2000MHz

**CHARACTERISTIC IMPEDANCE:** 50 ohms

**DC BLOCKING:** None. Will pass DC for

Power and Control purposes.

Max.DC or peak AC is 150 V.

**CONNECTORS:** Female N-Type. Both ends

**FIRING POINT:** 350 V.  $\pm$  15% @ < 100v/s

< 1000 @ 5kv/ $\mu$ s rise

**BREAKDOWN VOLTAGE:** 20 to 30V.

**SURGE CURRENT:** 5000 A (8/20  $\mu$ s pluse)

**ARC-PLUG LIFE:** >600 Times @ 500A pluse  
(Field replaceable)

**SIZE:** 1w X 1 1/4 h X .875 (2.4 oa) inches

25 w X 32 h X 22 (61 oa) mm

**MOUNTING AND**

**GROUNDING:** Single hole. 1/4-20 X 7/8 stud

## INSTALLATION INSTRUCTIONS

**WHERE TO INSTALL:** On a grounding bus or point where the equipment to be protected is grounded and as close to the equipment as practicable.

**HOW TO INSTALL:** Use the threaded stud on the back for a single hole mounting and grounding. Either connector may be used for input or output. Pre-existing cable must be cut and each end fitted with a male connector. Connect a cable to each end of the Transi-Trap and the installation is done. NOTE: To insure that the completed installation is weatherproof, it is imperative that the mating coaxial connectors be sealed using proper materials and procedures.

**REPLACEABLE ARC-PLUG CARTRIDGE:** After hundreds of protective firings of the Arc Cartridge or after a catastrophic surge, the Arc Cartridge may fail requiring replacement. Failure of the Arc Cartridge will be apparent due to the fact that it fails in a shorted or "fail-safe" mode so as not to leave the equipment unprotected. The TT3G50 surge protectors are designed to allow the quick and simple replacement of the Arc Cartridge in the field without the use of tools and without removing the surge protector from the circuit. Simply unscrew the failed cartridge by gripping the knurled section and turning counter-clockwise. Replace with a new cartridge tightening only by hand until the cartridge "bottoms out" against the thru-line. Make sure that the cartridge O-ring is fully seated into the body of the protector. The TT3G50 is now restored to full operation.

E181202



LISTED  
ISOLATED LOOP  
CIRCUIT PROTECTOR  
8P09

**ALPHA DELTA COMMUNICATIONS INC.**



P.O. Box 620 • Manchester, Kentucky 40962 • (606) 598-2029 • FAX (606) 598-4413