

E3PM HT Series

EMP RF SURGE PROTECTION

HEMP TESTED



The E3PM HT Series of RF coaxial protection devices are compliant with the Buy American Act and engineered for quick turn on to protect RF equipment operating in two frequency ranges (10MHz to 700 MHz and 800 MHz to 2500 MHz) against fast rising electromagnetic pulses. These HEMP Tested bulkhead mounted protectors are engineered for rugged environments and designed for high surge current capacity.

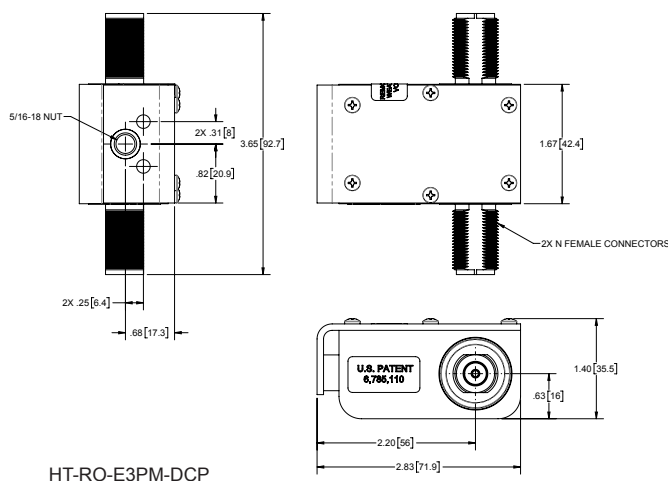
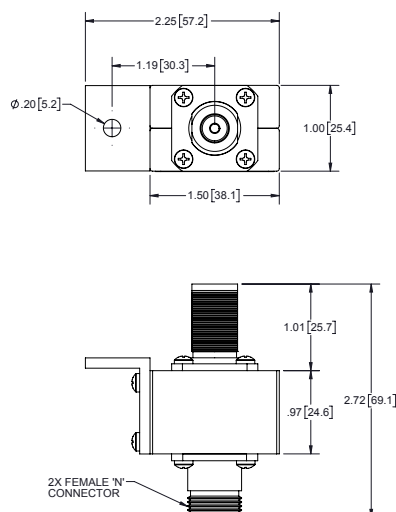


FEATURES

- DC Short and DC Pass options
- Female N Connectors
- Bulkhead mount
- Low let-through energy
- DFARS Hardware kit with EMI gasket included
- Buy American Act compliant
- HEMP Tested per MIL-STD-188-125

As providers of electronic application-specific components and subsystems, PolyPhaser's innovative solutions enable ultimate systems performance in the harshest environments. PolyPhaser partners with Military contractors in the design, manufacture and testing of specialized electronic and radio frequency products designed to prepare and protect critical systems from HEMP events.

DRAWINGS



SPECIFICATIONS

Part Number	HT-RI-E3PM-BNFM	HT-RO-E3PM-DCP
Application	Land Mobile Radio	Land Mobile Radio
RF Protocol	DC Short/RF Only	DC Pass + RF
Technology	GDT	Staged SASD, MOV, GDT
Surge Side Connector	Female N	Female N
Protected Side Connector	Female N	Female N
Insertion Loss	≤0.1 dB	≤0.1 dB
Frequency Range	10 MHz to 700 MHz	800 MHz to 2.5 GHz
Maximum Discharge Current I _{max} (8/20μs)	50 kA	20 kA
Nominal Discharge Current I _n (8/20μs)	20 kA	3 kA
Early Time HEMP (E1)	5KA 20/500ns per MIL-STD-188-125	5KA 20/500ns per MIL-STD-188-125
Operating Temperature	-50°C to +85°C	-55°C to +85°C
Body Material	Aluminum	Tri-Plated Brass
Weight	0.5 lb (0.2 kg)	0.75 lb. (0.3 kg)
RoHS Compliant	Yes	Yes
HEMP Tested	E1 Per MIL-STD-188-125	E1 Per MIL-STD-188-125
EMP Protection Level	1,2,3,4	1,2,3,4
Weatherproof	NA	IEC 60529 IP67 When Installed
Warranty	15 years	15 years



HEMP Tested products by Transtector are now available for civil infrastructure applications including utilities, transportation, telecommunications, and first responders. Tested to stringent Military Standard 188-125 these products are engineered to provide EMP protection for equipment and facilities per Department of Homeland Security guidelines, and have been tested for survivability to the peak threat levels of the harsh Early Time (E1) and Intermediate Time (E2) High-Altitude (HEMP) environments. For additional information on custom EMP/HEMP solutions or to discuss commercial applications for HEMP Tested products contact Transtector at 1 208 635 6400.