WARNING
1. RISK OF ELECTRICAL SHOCK!
2. Disconnect before servicing.
3. Service to be performed by qualified personnel only.

Thank you for your recent purchase of our surge protection solution. Your satisfaction with our product and service is important to us. If you have any questions, comments or concerns, please contact us at 800.882.9110 or visit our website at transtector.com. We look forward to continuing to serve your protection needs.

TRANSTECTOR

E3PM HT

HT-NO-E3PM-GPST

INSTALLATION INSTRUCTIONS

HEMP™ TESTED



HT-E3PM-GPST-M Rev A
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HT-NO-E3PM-GPST

Installation Instructions

The HT-NO-E3PM-GPST is designed to provide EMP protection for equipment and facilities per Department of Homeland Security (DHS) and the Alliance for Telecommunications Industry Solutions (ATIS) 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 as defined in MIL-STD-188-125.

The HT-NO-E3PM-GPST modules utilize high-power, solid-state Silicon Avalanche Suppression Diodes (SASD) to provide robust, non-degrading protection against nominal transients. These modules are intended for use in GPS Applications.

MOUNTING

The HT-NO-E3PM-GPST is designed to be installed inside of an EMI rated cabinet. The recommended panel cutout as well as the mounting dimensions are shown in Figure 2. An EMI gasket is supplied with the device, which must be installed with a 360 degree seal on the SURGE side of the device to maintain the integrity of the system's clean/dirty EMI boundary. Attach the filter to the panel using the three (3) Stainless Steel SHCS 6-32 screws and lock washers provided and torque to 7 in-lbs.

WIRING

Attach one BNC cable between the unprotected unit and the suppressor using the Surge port of HT-NO-E3PM-GPST. Connect a second BNC cable between the unit to be protected and the suppressor using the EQUIP port of HT-NO-E3PM-GPST.

GROUNDING

Proper grounding is critical for adequate HEMP protection. Keep ground wire as short as possible between the surge protector ground and the site grounding point. Less than 3 feet, #6 AWG stranded wire is recommended for optimum performance. Refer to local codes and equipment manufacturers standards before installation.

USAGE AND MAINTENANCE

Each module should be scheduled for periodic inspection to ensure the module is operational and all wire connections are tight. Disconnect power prior to inspection and maintenance. If the module is damaged, contact Transtector for replacement.

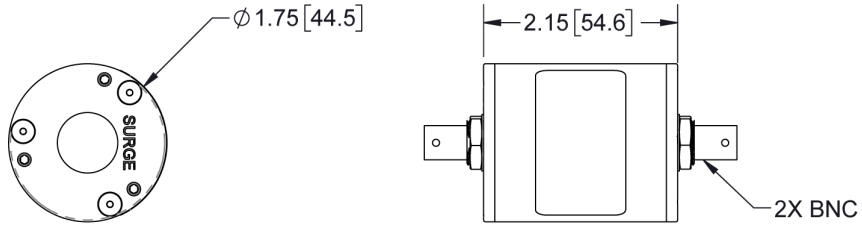


Figure 1 - Mechanical outline drawing (inches[mm])

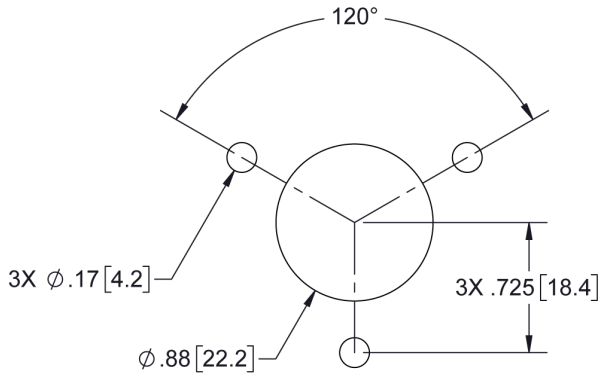


Figure 2 - Recommended Panel Cutout