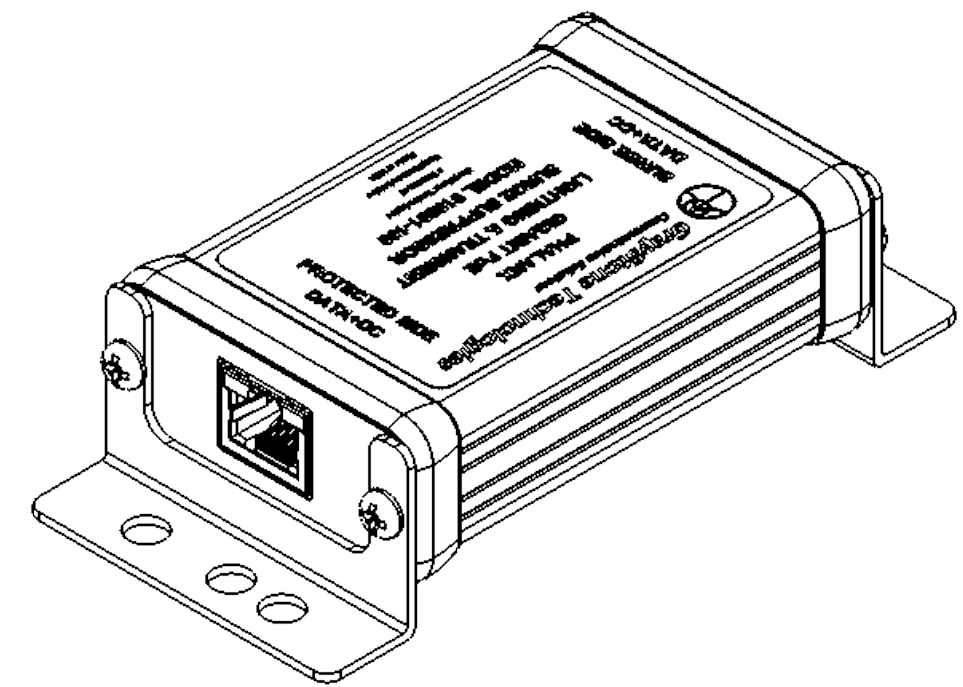
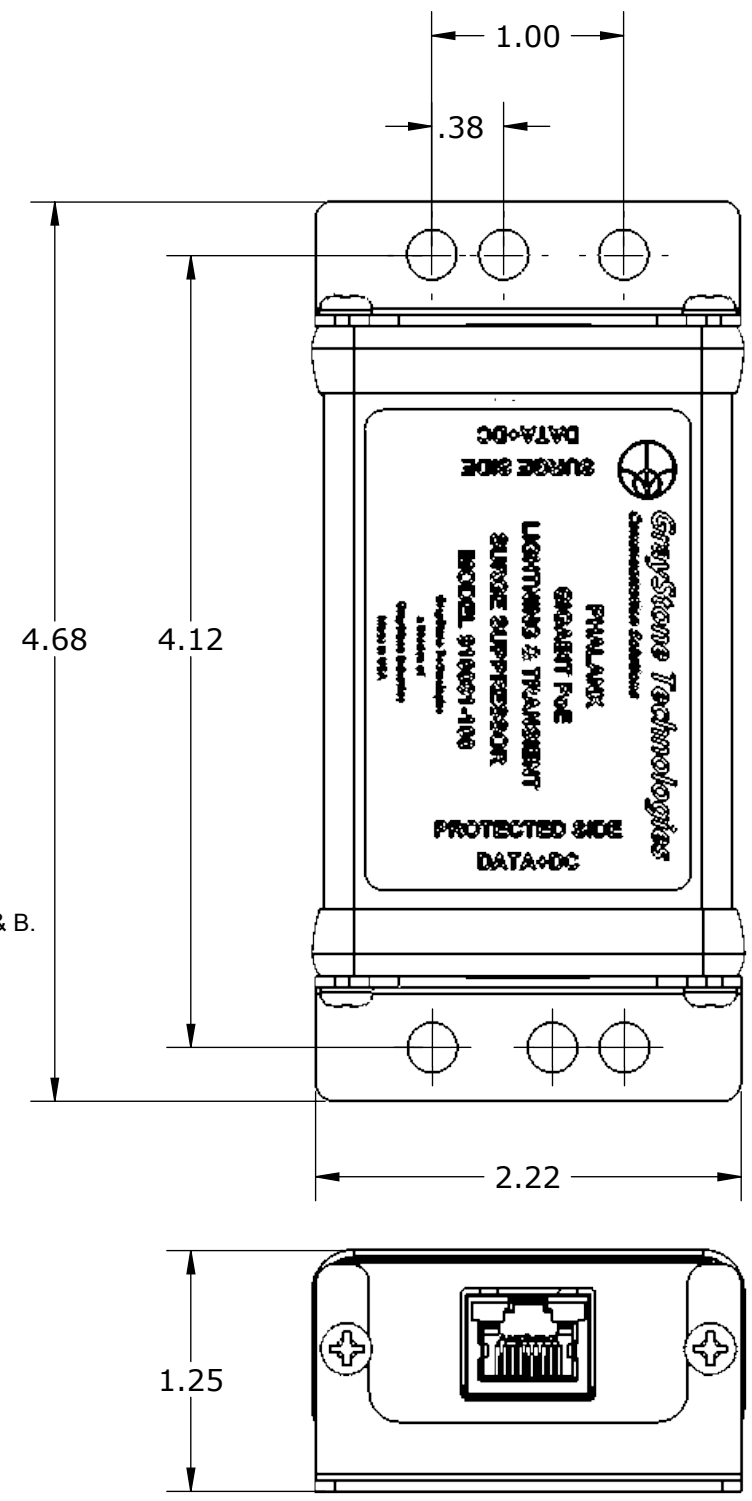


D
C
B
A

D
C
B
A



SPECIFICATIONS

DESCRIPTION:
LIGHTNING /TRANSIENT SURGE PROTECTOR FOR IEEE 802.3at GIGABIT PoE DC PASS THROUGH APPLICATIONS.

ELECTRICAL:
CONNECTORS: RJ45 JACK, SHIELDED.
IMPEDANCE: 100 OHMS NOMINAL.
DC RESISTANCE: 8 OHMS.
DATA RATE: 1000 Mbps, 1000 Base-T PER IEEE 802.3at, MODES A & B.
DATA TEST METHOD: EXTENDED RFC2544 TESTS.
PROTECTED PIN PAIRS: (1-2), (3-6), (4-5), (7-8).
PROTECTED PINS TO CHASSIS GROUND: ALL PINS.
DATA PIN PAIRS: (1-2), (3-6), (4-5), (7-8).
DC PIN PAIRS: LINE ((1-2), (4-5)), RETURN ((3-6), (7-8)).
DC VOLTAGE: +/-48VDC NOMINAL, +/-60VDC MAX.
DC CURRENT: 600mA MAX PER MODE.
MAXIMUM SURGE CURRENT:
ONE TIME DISCHARGE:
300A, 10/1000uS WAVEFORM PER TELCORDIA GR-1089.
5kA, 8/20uS WAVEFORM PER IEC 61000-4-5.
REPETITIVE DISCHARGE (10 CYCLES):
100A, 10/1000uS PER TELCORDIA GR-1089.
3kA 8/20uS PER IEC 61000-4-5.
SURGE LET THROUGH VOLTAGE:
@ 100A, 10/1000uS:
LINE-LINE <100V PEAK.
LINE-GROUND <50V PEAK.
@ 3kA, 8/20uS:
LINE-LINE <100V PEAK.
LINE-GROUND <50V PEAK.

MECHANICAL:
DIMENSIONS: 4.68" x 2.22" x 1.25".
WEIGHT: 3.7oz.
MOUNTING: PANEL.

ENVIRONMENTAL:
OPERATING TEMPERATURE: -40 TO +65 deg-C.
RELATIVE HUMIDITY: 0 TO 90% NON- CONDENSING.

REGULATORY:
RoHS COMPLIANT.
NEBS LEVEL 3 COMPLIANT.

SUPPORTING HARDWARE:
GROUND LUGS (THOMAS-BETTS)
256306951298 (14AWG - 10AWG)
54850BE (8AWG)
54852BE (6AWG)

PROPRIETARY AND CONFIDENTIAL
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		UNLESS OTHERWISE SPECIFIED:		NAME	DATE	GrayStone Industries Dayton, Nevada	
		DIMENSIONS ARE IN INCHES TOLERANCES: FRACTIONAL ±1/64 ANGULAR: MACH±0.1 BEND ±0.1 TWO PLACE DECIMAL ±0.01 THREE PLACE DECIMAL ±0.001		DRAWN	R.B.	9/19/17	TITLE:
		INTERPRET GEOMETRIC TOLERANCING PER:		CHECKED			SURGE SUPPRESSOR-IDU 1GB PoE
		MATERIAL AI-5052		ENG APPR.			
		FINISH		MFG APPR.			SIZE
NEXT ASSY	USED ON			Q.A.			DWG. NO.
APPLICATION		DO NOT SCALE DRAWING		COMMENTS:			05-910081-100
							REV
							A
							SCALE: 1:1
							WEIGHT:
							SHEET 1 OF 1