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**SPECIFICATIONS**

**DESCRIPTION:**

LIGHTNING /TRANSIENT SURGE PROTECTOR FOR GIGABIT POWER OVER ETHERNET INJECTOR APPLICATIONS.

**ELECTRICAL:**

**CONNECTOR:**

DATA, RJ45 JACK, SHIELDED.  
DC: OST EDSTLZ1550/2, MATING CONNECTOR (P/N EDZ1700/2)  
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.

**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 <30V PEAK.  
LINE-GROUND <15V PEAK.  
DC-DC RETURN <100V.  
DC-GROUND <50V.  
**@ 3kA, 8/20uS:**  
LINE-LINE <30V PEAK.  
LINE-GROUND <15V PEAK.  
DC-DC RETURN <100V.  
DC-GROUND <50V.

**MECHANICAL:**

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

**ENVIRONMENTAL:**

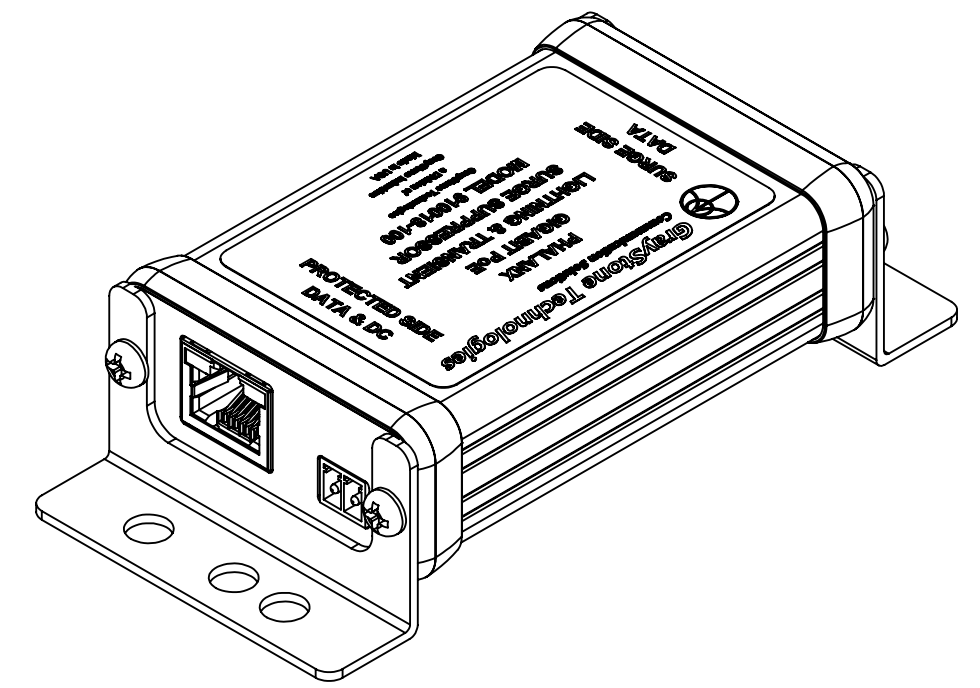
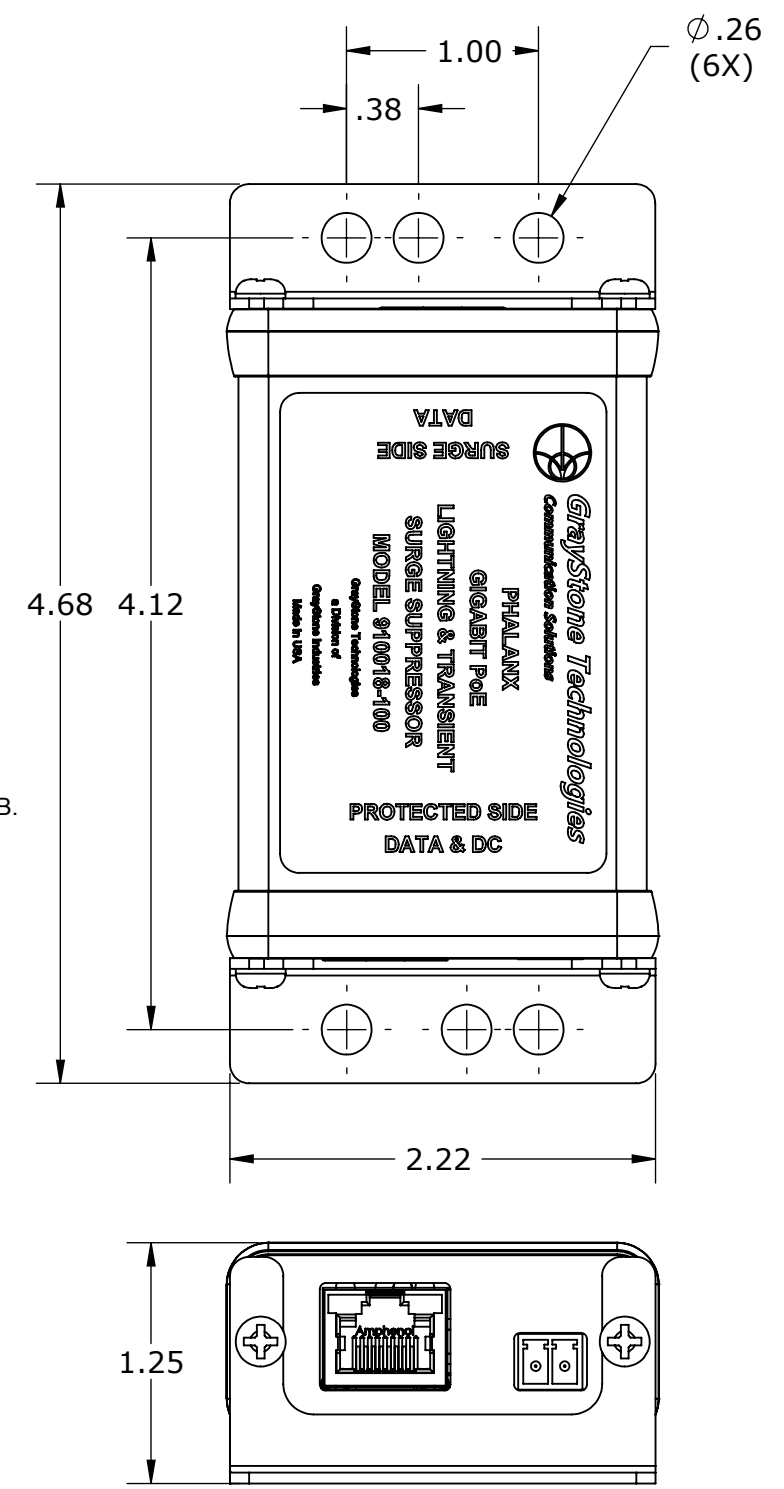
OPERATING TEMPERATURE: -40 TO +65 deg-C.  
RELATIVE HUMIDITY: 0 TO 90% NON- CONDENSING.

**REGULATORY:**

RoHS COMPLIANT.  
NEBS LEVEL 3 COMPLIANT.

**SUPPORTING HARDWARE:**

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



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UNLESS OTHERWISE SPECIFIED:		NAME	DATE	GrayStone Industries Dayton, Nevada	
DIMENSIONS ARE IN INCHES		DRAWN	R.B.		9/19/17
TOLERANCES:		CHECKED			
FRACTIONAL: ±1/64		ENG APPR.			
ANGULAR: MACH ±0.1 BEND ±0.1		MFG APPR.			
TWO PLACE DECIMAL ±0.01		Q.A.			
THREE PLACE DECIMAL ±0.001		COMMENTS:			
INTERPRET GEOMETRIC TOLERANCING PER:					
MATERIAL					
AI-5052					
FINISH					
NEXT ASSY	USED ON				
APPLICATION		DO NOT SCALE DRAWING			
		SIZE	DWG. NO.	REV	
		<b>B</b>	05-910018-100	A	
		SCALE: 1:1	WEIGHT:	SHEET 1 OF 1	