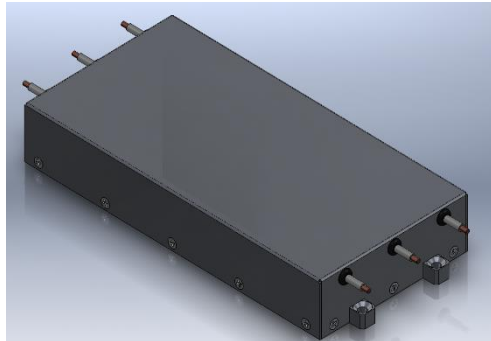




MP2169

90KW VOLTAGE TRANSIENT SUPPRESSOR MODULE FOR MIL-STD-704A



- 90KW Power Handling Capability Across L-N
- Very Fast Response < 1ns
- Bi-Polar Protection
- Rugged Aluminum Construction
- Protects Common, and Differential Mode
- Clamps the Voltage Transients of MIL-STD-704A
- 120VAC, Single Phase, 400Hz-440Hz Input

DESCRIPTION:

Prime Power's MP2169 Voltage Transient Suppressor Module is capable of protecting sensitive electrical systems from high-energy transients, and over voltage power surges in either direction. This module is designed for direct connection to 120VAC single-phase systems and meets the requirements of MIL-STD-704A.

GENERAL SPECIFICATIONS	
INPUT VOLTAGE (L-N)	100VAC – 150VAC
FREQUENCY RANGE	400HZ – 440HZ SINGLE PHASE
PHYSICAL SIZE	6.53" X 3" X 1"
WEIGHT	CONTACT: SALES@PRIME-POWER.COM
MTBF	CONTACT: SALES@PRIME-POWER.COM

PHYSICAL CHARACTERISTICS	
MAXIMUM CASE SIZE	6.53" X 3" X 1"
COOLING METHOD	CONVECTION
ENCAPSULATION	SILICONE POTTING
ENCLOSURE FINISH	YELLOW CHROMATE
BASEPLATE FINISH	YELLOW CHROMATE
INPUT/OUTPUT TERMINATION	FLYING LEADS
MOUNTING	4X 6X32 100°CSK

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PRIME POWER INC: (603) 329-4675.
1 OWENS CT.
HAMPSTEAD NH, 03841.



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ELECTRICAL SPECIFICATIONS			
BREAKDOWN VOLTAGE	V _Z : MIN 200V, MAX 225V		
CLAMPING LIMIT V_C IN EITHER DIRECTION @ CORRESPONDING I_{PP}, TC=25°C	1.2/50USEC WAVEFORM AS PER MIL-STD-1399		
	LINES	I _{PP}	V _{CL} (MAX)
	L-N	200A	335V
	N-G	200A	335V
	L-G	200A	335V

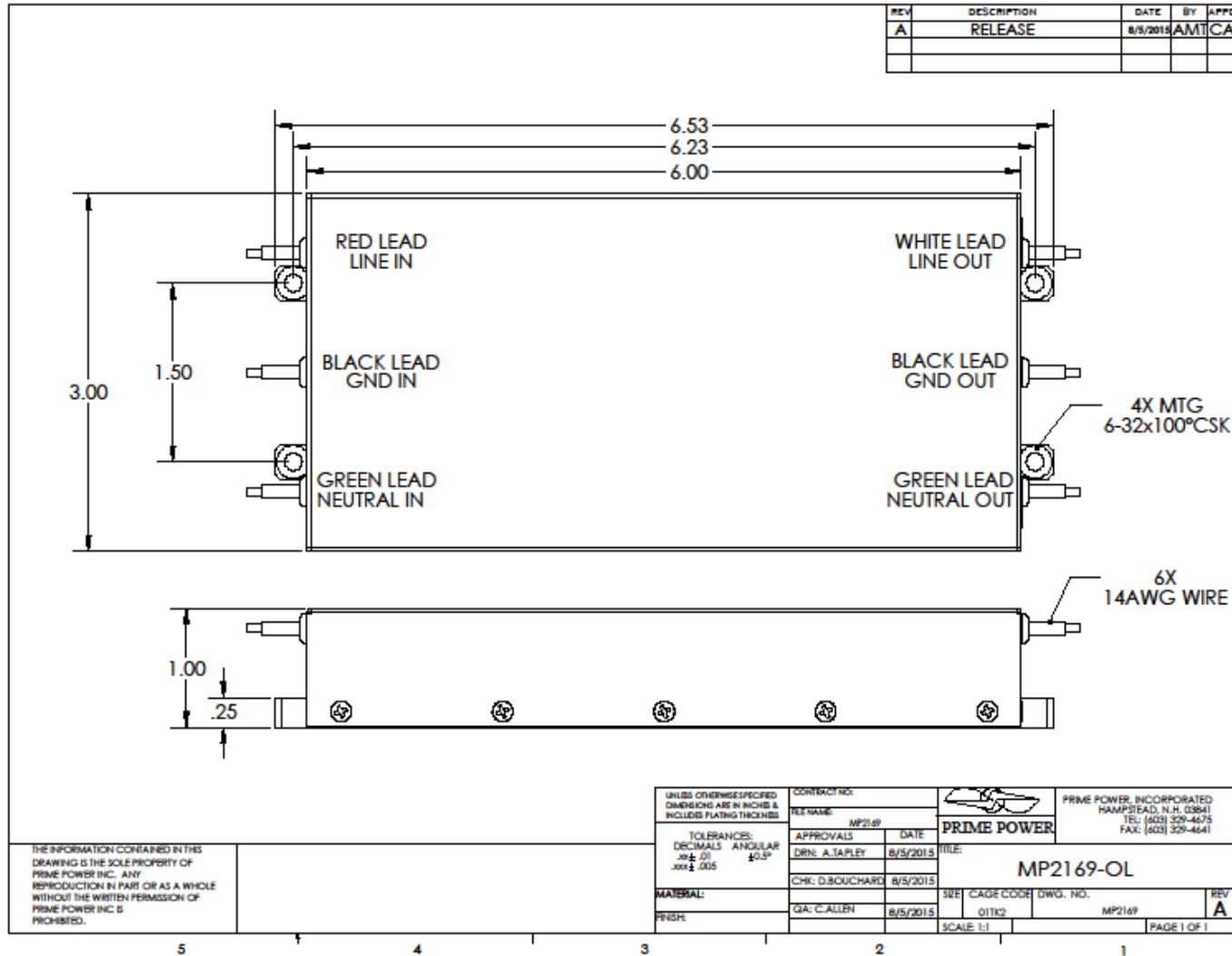
ENVIRONMENTAL SPECIFICATIONS		
PRESSURE-ALTITUDE		
HIGH TEMPERATURE	MIL-STD-810F	METHOD 501.4 PROCEDURE 1 & 2
LOW TEMPERATURE	MIL-STD-810F	METHOD 502.4 PROCEDURE 1 & 2
HUMIDITY	MIL-STD-202G	METHOD 103B
FUNGUS	MIL-STD-810F	METHOD 508, CONDITION A
SALT FOG	MIL-STD-202G	METHOD 101 E, TEST CONDITION A
SAND AND DUST	MIL-STD-810F	METHOD 501.4, PROCEDURE 1 & 2
EXPLOSIVE ATMOSPHERE	MIL-STD-810F	METHOD 511, CONDITION A
ACCELERATION	MIL-STD-810F	METHOD 513.5, PROCEDURE 1 & 2
VIBRATION	MIL-STD-810F	METHOD 514.2
SHOCK	MIL-STD-810F	HIGH IMPACT SHOCK

TEMPERATURE SPECIFICATIONS	
OPERATING TEMPERATURE	-46°C – 85°C
STORAGE TEMPERATURE	-46°C – 125°C



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