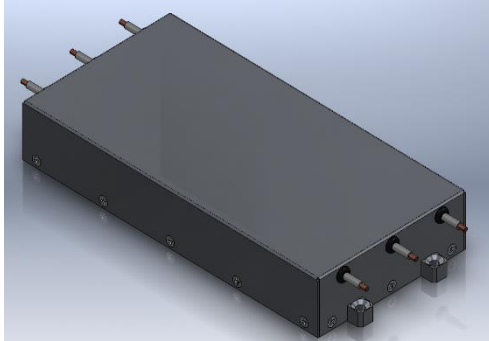




MP2167

90KW VOLTAGE TRANSIENT SUPPRESSOR MODULE FOR MIL-STD-1399



- 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-1399
- 120VAC, Single Phase, 50Hz-440Hz Input

DESCRIPTION:

Prime Power’s MP2167 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-1399.

GENERAL SPECIFICATIONS	
INPUT VOLTAGE (L-N)	100VAC – 150VAC
FREQUENCY RANGE	50Hz – 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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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

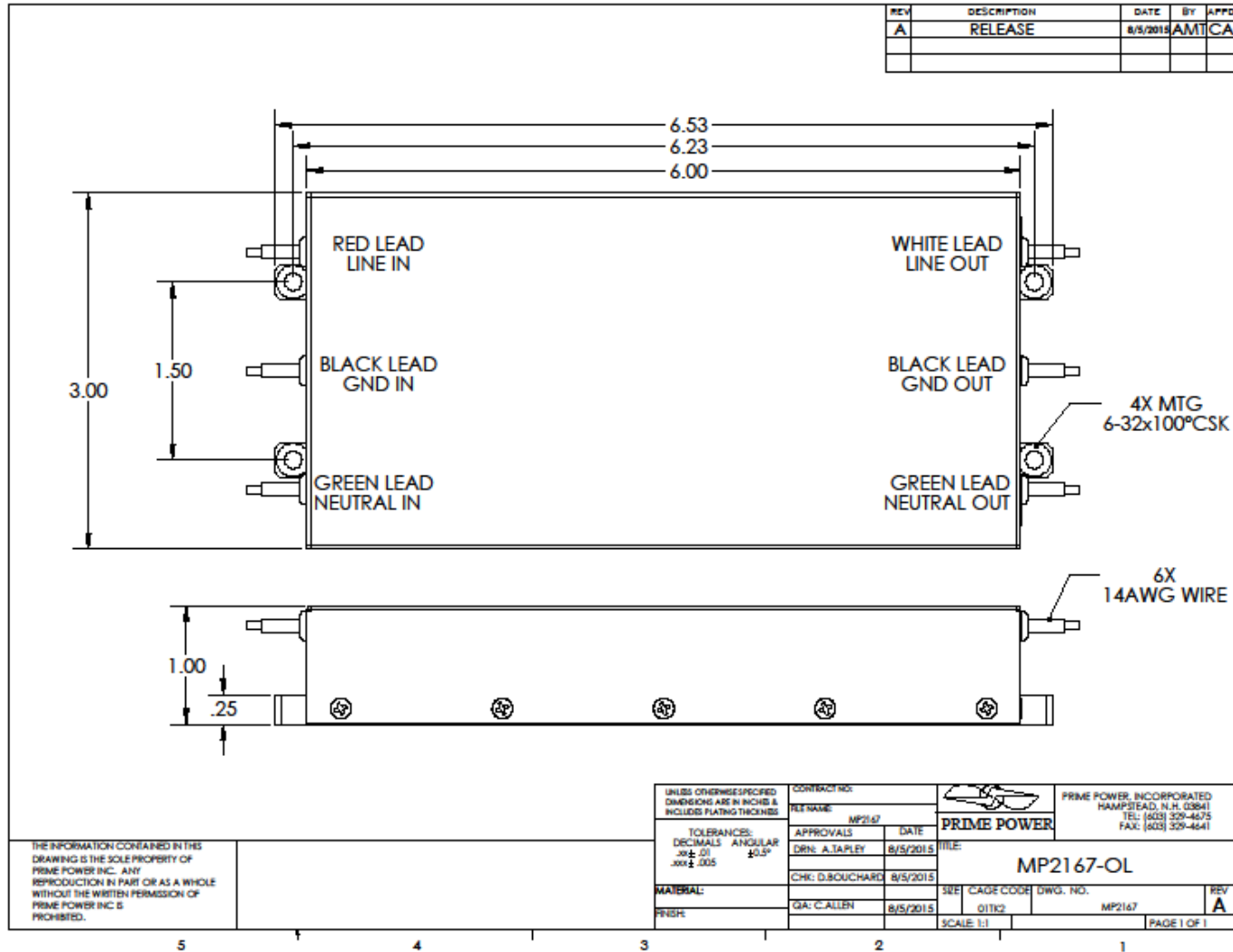
ENVIRONMENTAL SPECIFICATIONS		
Pressure-Altitude		
High Temperature	MIL-STD-810F	Method 501.4 Procedure 1 & 2
Low Temperature	MIL-STD-810F	Method 502.4 Procedure 1 & 2
Humidity	MIL-STD-202G	Method 103B
Fungus	MIL-STD-810F	Method 508, Condition A
Salt Fog	MIL-STD-202G	Method 101 E, Test Condition A
Sand 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-901D	High Impact Shock

TEMPERATURE SPECIFICATIONS	
Operating Temperature	-46°C – 85°C
Storage Temperature	-46°C – 125°C



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WWW.PRIME-POWER.COM

SALES@PRIME-POWER.COM

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