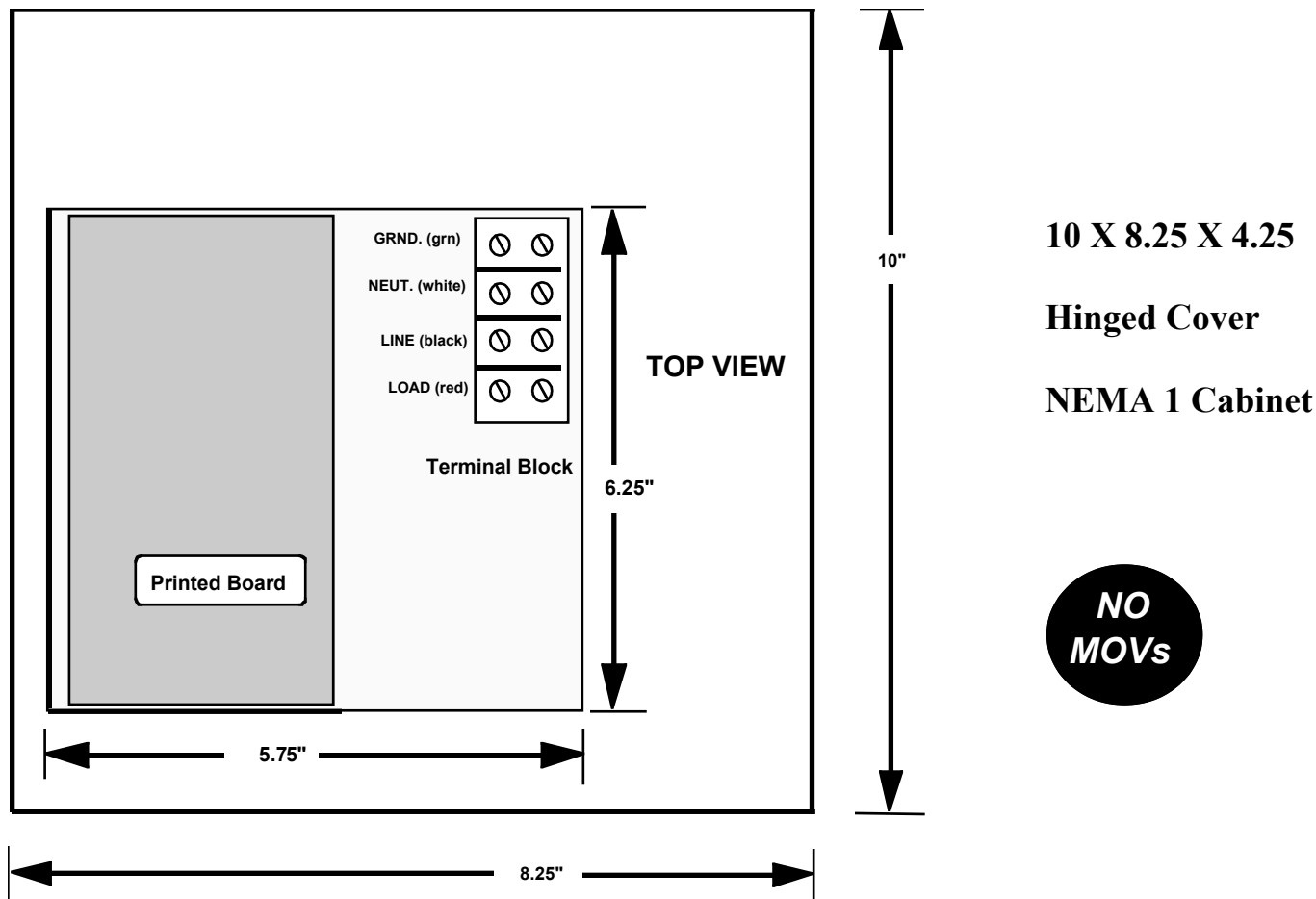


**Panel Mount Model  
Model PM - 20 - 120  
Series Mode Adaptive Surge Filter**



**This model has been optimized for protecting switch-mode power supplies (used in computers and most newer electronic equipment).**

**This is also a Mode 1 product, so it does not disrupt, damage or shut down interconnected equipment.**

**Detailed electrical specifications on opposite side.**

# PM-20-120 Specifications 01/2005

<b>Made in the USA</b>	Weight 8.5 lb.
Connections: 4- #8, 30 amp. barrier strip. Ground, Neutral, Line, Load.	
0.08" thick aluminum heat diffuser chassis.	
Self-test circuit with visual indicator	
Dimensions 10"L x 8.25"W x 4.25"D NEMA 1 hinged cover cabinet	



<b>Full Load Ratings:</b> 20A @120 volts, single phase, 50-60 Hz; full load regulation 1%.
<b>Certifications:</b> UL 1449 2 <sup>nd</sup> Edition Recognition, UL 1283, CUL, 1,000 worst case surge endurance (UL 1449 Adjunct Classification)
<b>Limiters:</b> <u>Series surge reactor current limiter</u> ; cascaded, auto-tracking dual polarity voltage limiters; dual pulse inverters. Parameters optimized for switch-mode power supply protection.
<b>Clamping Voltage Onset:</b> 172 volts nominal for 120 vac: 2 volts above peak line voltage (auto-tracking).
<b>Maximum Applied Surge Pulse Voltage:</b> 6000 volts (1.2 x 50 $\mu$ s) (Industry Standard rating).
<b>Maximum Applied Surge Pulse Current:</b> > 100,000 amperes (unlimited due to current limiting) (8 x 20 $\mu$ s).
<b>Maximum Applied Surge Pulse Joule Rating:</b> Unlimited rating (due to surge current limiting) (8 x 20 $\mu$ s).
<b>Endurance, C62.41-1991 (formerly IEEE 587) Category B3 (C1) pulses (6kV, 3kA):</b> 2kv >100,000; 4kv > 10,000; 6kv >1,000 (NRTL verified).
<b>Let-Through Slew Rate:</b> 5000 volt/ $\mu$ s disturbance reduced to 35 v/ $\mu$ s within AC power wave envelope , and less than 15 v/ $\mu$ s outside the power wave envelope.
<b>EMI/RFI Filter response:</b> (bi-directional, wave tracking): With 50 ohm Rgen, load: 3 dB @7 kHz; 26 dB @100 kHz; 38 dB@ 300 kHz.

"100% Surge Protection, 0% Failure ♦ Are you Zero Surge protected?"

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