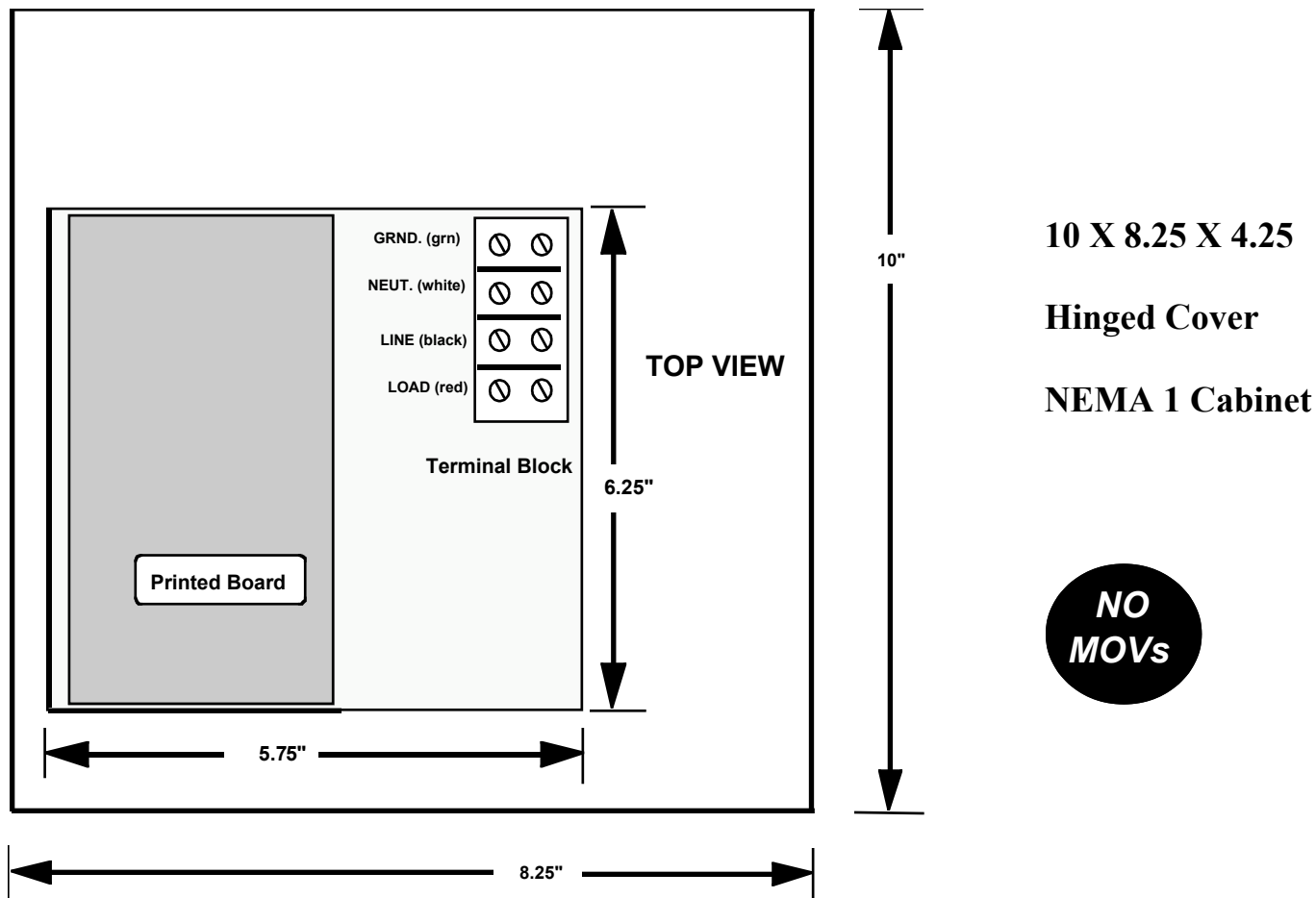


**Panel Mount Model
Model PM - 20 - 120
Series Mode Adaptive Surge Filter**



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

Made in the USA	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	



Full Load Ratings: 20A @120 volts, single phase, 50-60 Hz; full load regulation 1%.
Certifications: UL 1449 2 nd Edition Recognition, UL 1283, CUL, 1,000 worst case surge endurance (UL 1449 Adjunct Classification)
Limiters: <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.
Clamping Voltage Onset: 172 volts nominal for 120 vac: 2 volts above peak line voltage (auto-tracking).
Maximum Applied Surge Pulse Voltage: 6000 volts (1.2 x 50 μ s) (Industry Standard rating).
Maximum Applied Surge Pulse Current: > 100,000 amperes (unlimited due to current limiting) (8 x 20 μ s).
Maximum Applied Surge Pulse Joule Rating: Unlimited rating (due to surge current limiting) (8 x 20 μ s).
Endurance, C62.41-1991 (formerly IEEE 587) Category B3 (C1) pulses (6kV, 3kA): 2kv >100,000; 4kv > 10,000; 6kv >1,000 (NRTL verified).
Let-Through Slew Rate: 5000 volt/ μ s disturbance reduced to 35 v/ μ s within AC power wave envelope , and less than 15 v/ μ s outside the power wave envelope.
EMI/RFI Filter response: (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?"

ZERO SURGE INC. ♦ 889 STATE RT 12 ♦ FRENCHTOWN, NJ 08825 ♦ PHONE 908-996-7700 ♦ FAX 908-996-7773