

SPP-1206 and SPP-1207

120 VAC Wire In

Balanced Filter
Surge Suppressor



Features:

- ▶ Exceeds recommendations for IEEE/ANSI C62.41.2-2002 Categories A3 & B3
- ▶ Powerful “no wear out” design.
- ▶ Meets severity level 4 of IEC/EN 61000-4-4 and 61000-4-5.
- ▶ Balanced toroidal based filter provides superior EMI/RFI filtering.
- ▶ Rugged epoxy molded case mounts easily inside equipment or on panel or wall.
- ▶ Both differential and common mode suppression and filtering.
- ▶ Can be hard wired into power distribution lines in the most severe industrial environments.
- ▶ Sub nanosecond response time stops failures due to lightning, spikes, and over voltage surges on main power entry panel servicing electronic equipment, while minimizing other electrical noise.
- ▶ Automatically resets after each transient. No maintenance is required.

Applications:

These models are normally installed inside measurement and control equipment, computers, terminals, motor controllers, instrumentation, telemetry equipment, etc.

May be installed in equipment used in the most severe industrial environments by System Integrators.

Other power and multiple phase models are available as well as DC versions.

Typical Installation:

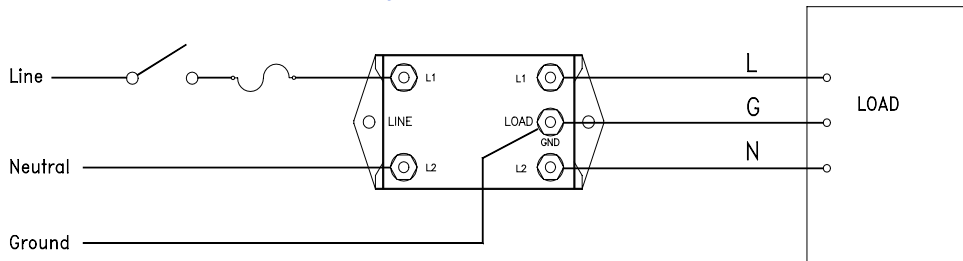
Install the SPP-1206 or SPP-1207 after the AC power line switch and fuse, and as close to the electronic equipment it protects as possible. The ground terminal must be connected to a good earth ground (AWG #14 or larger). Dress output (clean) AC lines away from incoming power line. The suppressor contains no internal fuse and can fail short under direct lightning exposure; therefore proper fusing is essential. Heat sinking is not required.

SPP-1206 and 1207 Operating Specifications:

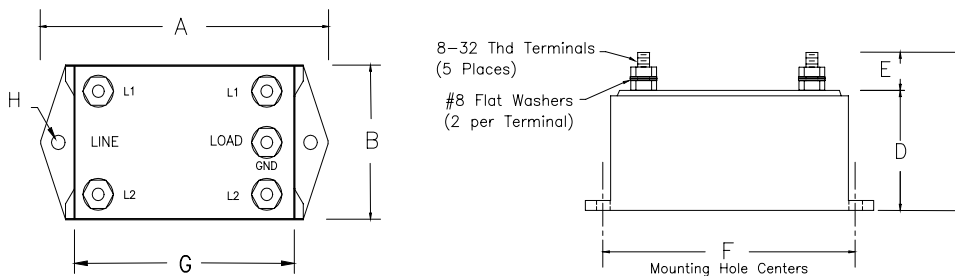
Specifications	SPP-1206	SPP-1207
Operating Line Voltage 50/60 Hz	120 VAC	120 VAC
Maximum Operating Line Current	5 Amps	25 Amps
MCOV (Max. Continuous Operating Voltage)	130 VAC	130 VAC
Suppressed Voltage Rating (Vpk)	330V (L-N, L-G, N-G)	330V (L-N, N-G), 400V (L-G)
Maximum Transient Voltage*	20 kV	
Maximum Transient Current*	10 KA	
Frequency Attenuation @ 100 kHz and 10 MHz	-30 dB and -60 dB	
Maximum Leakage Current (Line-Gnd)	0.5ma @ 120 VAC / 60 Hz	
Response Time	Less than 1 nanosecond	
Operating and Storage Temperature	-40 degrees Celsius to +85 degrees Celsius	

* All components meet or exceed flammability ratings of UL's 94-V-0, 94V-2 and CSA standards. Consult the factory for other applications and operating conditions and specifications. All specifications at 25 degrees Celsius. Waveforms (1.2 x 50 µSec voltage, 8 x 20 µSec source)

Typical Installation:



Outline Dimensions:



DIMENSIONS ARE IN INCHES

MODEL	A	B	C	D	E	F	G	H (Hole Size)	WIRE CONNECTION	
SPP-1206	3.00	2.00	2.00	1.50	0.50	2.50	2.00	0.1875	8-32	Screw Post
SPP-1207	4.00	3.00	2.00	1.50	0.50	3.50	3.00	0.1875	8-32	Screw Post

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