

SPP-1200 Series

120 VAC Wire In 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.
 - ▶ Unique long life design combined with EMI/RFI filtering provide the most effective protection.
 - ▶ 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:

The SPP-1200 Series is normally installed inside measurement and control equipment, computers, terminals, motor controllers, instrumentation, telemetry equipment, etc. This Series is also frequently utilized by System Integrators.

Effective protection for air conditioning (HVAC), remote site controls and other industrial environments.

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

Typical Installation:

Install the SPP-1200 Series 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.

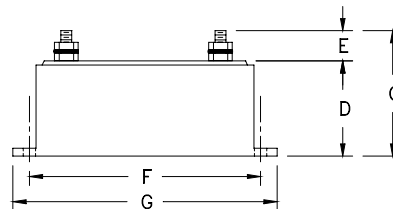
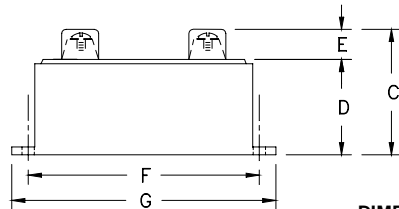
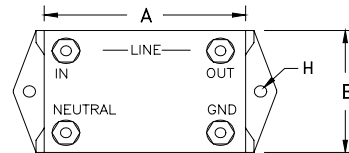
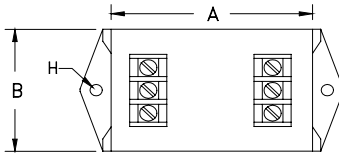
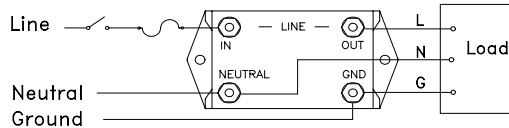
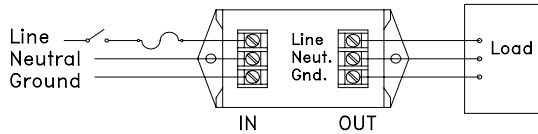
SPP-1200 Series Operating Specifications:

Specifications	SPP-1201	SPP-1202	SPP-1203	SPP-1204	SPP-1205
Operating Line Voltage Rating 50/60 Hz	120 VAC	120 VAC	120 VAC	120 VAC	120 VAC
Maximum Operating Line Current	5 Amps	15 Amps	30 Amps	5 Amps	15 Amps
MCOV (Max. Continuous Operating Voltage) VAC	130	130	130	130	130
Suppressed Voltage Rating Vpk	330 V (L-N,L-G,N-G)	330 V (L-N,L-G,N-G)	330V (L-N), 400V(L-G,N-G)	330 V (L-N,L-G,N-G)	330V (L-N,N-G), 400 (L-G))
Maximum Transient Voltage*	20 kV	20 kV	20 kV	20 kV	20 kV
Maximum Transient Current*	10 kA	10 kA	10 kA	10 kA	10 kA
Frequency Attenuation	100 kHz -25 dB, 10 MHz -55 dB				
Maximum Leakage Current	0.5 mA @ 120 VAC / 60 Hz				
Response Time	Less than 1 nanosecond				
Operating & Storage Temperature	-40 °C to +85°C				

* Consult the factory for other applications and operating conditions and specifications. All specifications at 25 degrees Celsius.

**Waveforms (1.2 x 50 µSec source voltage / 8 x 20 µSec source current).

Typical Installation / Outline Dimensions:



DIMENSIONS ARE IN INCHES

MODEL	A	B	C	D	E	F	G	H (Hole Size)	WIRE CONNECTION	
SPP-1201	2.00	2.00	2.32	1.50	0.82	2.50	3.00	0.1875	Barrier Strip #6	
SPP-1202	3.00	2.00	2.32	1.50	0.82	3.50	4.00	0.1875	Barrier Strip #6	
SPP-1203	3.00	3.00	2.05	1.50	0.60	3.50	4.00	0.1875	10-32	Screw Post
SPP-1204	2.00	2.00	2.05	1.50	0.60	2.50	3.00	0.1875	8-32	Screw Post
SPP-1205	3.00	2.00	2.05	1.50	0.60	3.50	4.00	0.1875	8-32	Screw Post

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