



# SUP-PH-EPR SERIES

# NOISE FILTERS



## Features

- Low range high attenuation effects by super high  $\mu$  material (20~30dB at 10,000Hz). Excellent pulse absorption (more than 25dB attenuation with 1,500V pulse).
- Three terminal styles (Faston®, solder and screw).
- Bleeder resistor for electric shock protection.

## Applications

- Information processing devices (for Europe), Office appliances and Various control systems.
- SUP-P□H-EPR-0 Series (Faston® terminal)
- SUP-P□H-EPR-2 Series (Solder terminal)
- SUP-P□H-EPR-4 Series (Screw terminal)



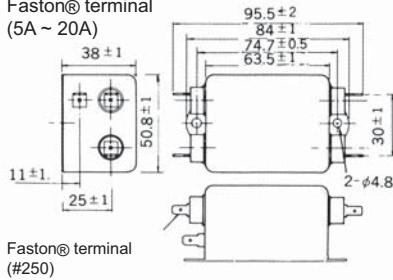
Safety Standard		File No.
UL	:UL1283	E78644
CSA	:C22.2, No.8-M1986	LR60681
SEMKO	:EN60939	SE/0142-21

The "ENEC" mark is a common European product certification mark based on testing to harmonised European safety standard.

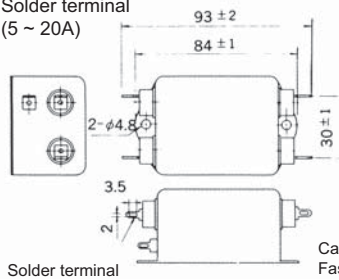


## Dimensions

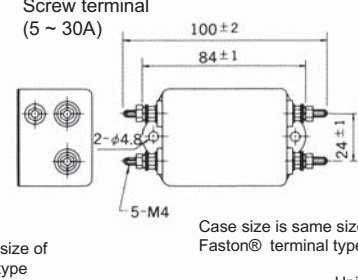
Faston® terminal  
(5A ~ 20A)



Solder terminal  
(5 ~ 20A)

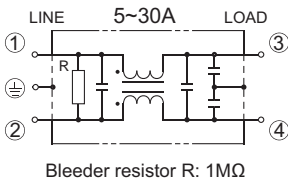


Screw terminal  
(5 ~ 30A)

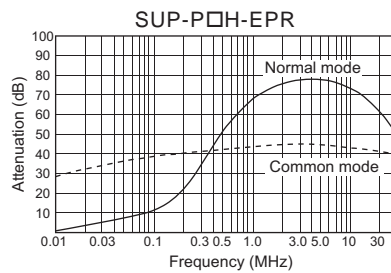


Unit: mm

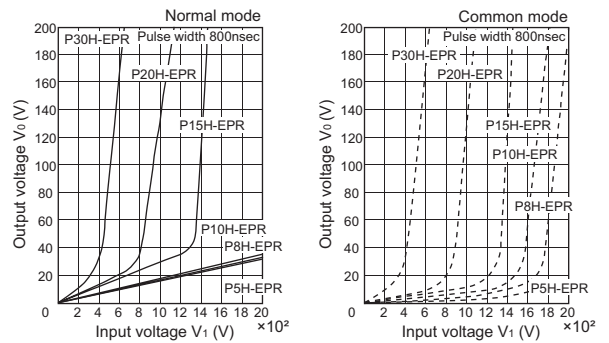
## Circuit



## Static characteristics (Representative example)



## TVSS characteristics



## Electrical Specifications

Rated Voltage **250Vac**

Safety Standard	Model Number	Rated Current (A)	Test Voltage	Insulation Resistance	Leakage Current max.	Voltage Drop max.	Temperature Rise max.	Operating Temperature (°C)	Insertion losses		Weight typ.(g)
									Normal Mode (MHz)	Common Mode (MHz)	
	SUP-P5H-EPR <sup>(-0/-2/-4)</sup>	5	Line to Line 1,000Vac 50/60Hz 60sec	Line to Case 6,000MΩmin (at 500Vdc)	0.6mA (at 250Vac 60Hz)	1.0Vac	35K	-25~ +50 (85°C with Temp. rise)	0.5 ~ 30	0.2 ~ 30	275
	SUP-P8H-EPR <sup>(-0/-2/-4)</sup>	8							0.6 ~ 30	0.3 ~ 30	
	SUP-P10H-EPR <sup>(-0/-2/-4)</sup>	10							0.7 ~ 30	0.4 ~ 20	
	SUP-P15H-EPR <sup>(-0/-2/-4)</sup>	15							0.9 ~ 30	0.7 ~ 30	
	SUP-P20H-EPR <sup>(-0/-2/-4)</sup>	20							1.5 ~ 30	3.0 ~ 30	
	*SUP-P30H-EPR-4	30							3.0 ~ 30	5.0 ~ 30	

Guaranteed attenuation is more than 40dB in normal mode and more than 35dB in common mode.

\*only screw terminal type