

# PLF100

## Powerline Filter for PLC communication

- AC 90-120V 50-60Hz 15A
- One AC plug, one AC outlet
- 30dB attenuation at 2-30MHz band

### Description

The PLF100 provides excellent homeplug/in-home noise filtering to user for maintaining a good powerline-network environment. This filter enables you to isolate the power outlet's noise and your PowerLine Communication (PLC) device.

### Features

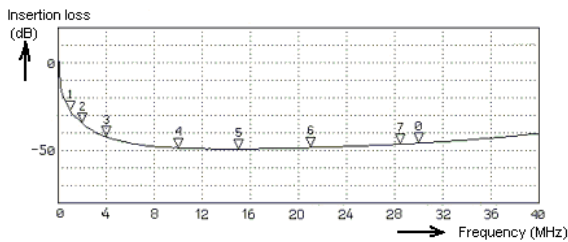
- One AC plug
- One AC outlet
- Built in PLC notched filter

1 OF 2

## Specification

Interface	One AC plug. One AC outlet.
Max. output capacity	AC 90-120V; 15A, 50-60Hz.
Dimension (L x W x H)	65mm x 48mm x 35mm.
Filter capacity	-30 to -45dB attenuation among 2-30MHz band.
Flammability Class	V1 class.
Operating Temperature	0~40°C (32~104°F). Relative Humidity: 10%~90% non-condensing.
Storage	Temperature: -20~60°C (-4~140°F). Relevant Humidity: 5%~95% non-condensing.
Housing color	White.
Certification	PSE.

## Typical insertion loss chart



N	SWP PARAM	VAL
0	30 MHz	-45.936 dB
1	1 MHz	-27.371 dB
2	2 MHz	-34.541 dB
3	4 MHz	-42.153 dB
4	10 MHz	-48.537 dB
5	15 MHz	-49.101 dB
6	21 MHz	-48.42 dB
7	28.5 MHz	-46.356 dB

## General usage

PLC Noise Filter power outlet for plugging in noise appliances.

