

PLF20A power line filter key features

- Exceptional attenuation of the unwanted signals
- Lightning strike and voltage surge protection^{1*}
- Low insertion loss, low power dissipation
- High reliability
- Low leakage current
- Dual buildup, flexible configuration options
- Easy assembly and installation
- Small size
- Wide operational temperature, low derating
- *IP67 outdoor option available*

Applications

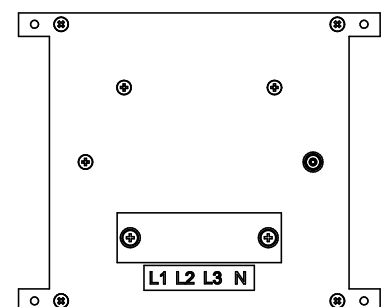
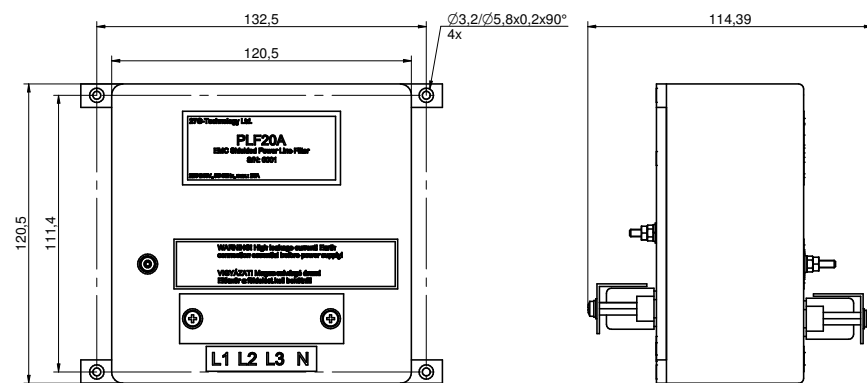
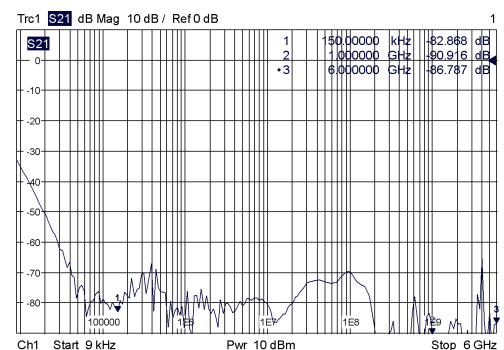
- Shielded rooms, EMC laboratories
- Server rooms
- Industrial machinery, and many more...

Description

The 27G™ PLF20A is a state-of-the-art power line filter designed to stop the propagation of electric disturbances and information leakage over the power lines. The filter can be used as three phase filter, two independent single-phase filters in dual configuration, or double current 50A single phase or DC configuration also possible. The design facilitates easy installation and wall mounting of the filter, while the electrical contact surfaces allow easy and fast connection of the power lines.

Typical attenuation performance
(9 kHz - 6 GHz, MIL-STD 220A CM)

Technical parameters	27G™ PLF20A
Overall Dimensions	145×120.5×114.5 mm 2*
Mass	< 1700 g
Attenuation (MIL-STD 220A CM)	>65 dB over 100kHz, 80 dB typ. (300 kHz...40 GHz)
Frequency	DC/50/60/400 Hz
Nominal Voltage	400 VAC, 230 VAC, 400 VDC
Current rating	3x25 A, 2x25 A, 1x50 A 3*
Current derating (+85°C)	3x20 A, 2x20 A, 1x40 A 4*
Operating case temperature	-45...+85 °C 5*



¹ Protection against secondary lightning strike and voltage surges over the power lines, < 1500V maximal peak voltage.

² Including electrical connectors, excluding IP67 option and touch protection.

³ Three phase current rate, single phase current rate, DC current rate @ max. +40°C case temperature.

⁴ Three phase current rate, single phase current rate, DC current rate @ max. +85°C case temperature.

⁵ Wider temperature range possible on request, contact us for more details.

Homepage: www.27g.space

E-mail: info@27g.space

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PLF20A Datasheet v3.0 10.2022