CleanSweep® 10A AC Power Line EMI Filters

Clean Power Free of High-Frequency Noise

OnfILTER CleanSweep® EMI filters provide noise-free AC power for your sensitive equipment in end-user installations. Innovative design accomplishes maximum noise suppression of signals polluting your power lines and ground, freeing your equipment from harmful interference.

Clean power is essential for uninterrupted and problem-free operation of electrical and electronic equipment. As electromagnetic interference (EMI) spreads through power lines and ground, it causes downtime and errors in today's equipment and may inflict component damage.

Unique design of OnFILTER' CleanSweep® series focuses on the properties of real-life signals on power lines and ground and produces maximum attenuation of the "worst offenders" on power lines.

Filters are very easy to install - just plug it into the wall outlet and plug your equipment into the outlet on the filter.



Applications

Electronic manufacturing
Semiconductor fabrication
Test and measurements
Data centers
Industrial robotics
Medical
Military and aerospace
Wherever EMI is an issue

Features

Easy plug-in installation
Optimized for power lines
Effective noise suppression
for all types of noise
Models for up to 250V AC 30A

Increased Up-Time

OnFILTER' CleanSweep® filters reduce equipment downtime caused by EMI and increase its performance and productivity by providing clean power to your sensitive equipment

Real-Life Applications

Unlike commodity filters designed for compliance measurements in a laboratory environment, CleanSweep® filters are optimized for effective suppression of noise in actual applications providing superb attenuation at lower frequencies where regular filters fail

Suppression of Noise on Power Lines and Ground

OnFILTER' CleanSweep® filters provide suppression for differential mode (between power' live and neutral), common-mode (between live, neutral and ground) and, uniquely, for ground itself

Advanced Surge Protection

OnFILTER CleanSweep® series filters add substantial performance improvements to conventional surge protection by reducing residual high-voltage "spikes" down to a negligible level

CleanSweep[®]
AL Series
Single Phase 10A
Power Line AC Filters



Specification

OnFILTER CleanSweep® filters utilize proprietary technology to provide maximum noise suppression in actual installations, not just in the controlled laboratory environment.

Parameter	AL Series 10A Filters
Rated Voltage, RMS	110250V
Rated Current, RMS	10A
Transient Signal Attenuation (Typical) Differential Mode	24dB
Common Mode	20dB
Leakage Current	
Standard models	<3.5mA
Medical version	<0.5mA
Power Indication	LED
Dimensions (WxDxH)	6.15"x4.0"x2.92"
	157*105*75mm

Application Notes

If you looking at this datasheet on a computer, you can click on any of the links below to the Application Notes which are available in the <u>Library</u> on our web site:

OnFILTER Advantage - Technology Summary

CleanSweep® EMI Filter in Surge Protection

CleanSweep® EMI Filters Protect Data Centers

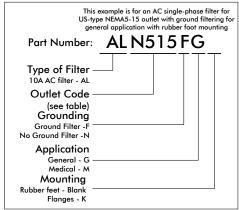
CleanSweep® AC Filters and UPS

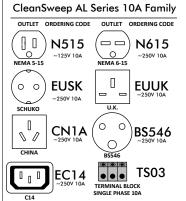
Management of Power Line Communication

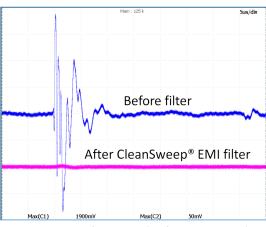
Ordering Information

Please select the type of filter most suitable for your application. Most important parameter you need to select is the type of an outlet. Note that although the outlet itself may be rated for higher current, the maximum current rating for this filter model is still 10A.

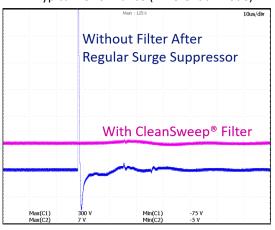
More details available in the App. Note "<u>How to Specify CleanSweep AC Power Line Filter</u>" on our web site.



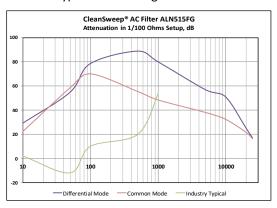




Typical Performance (Differential Mode)



Typical Power Surge Attenuation



Typical Frequency Domain Attenuation





OnFILTER, Inc.

730 Mission Dr. Ste. 102 Santa Cruz, CA 95060 U.S.A.

Tel. +1.831.824.4052 FAX +1.206.350.7458

www.onfilter.com info@onfilter.com

