www.onfilter.com

CleanSweep®
3A 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 patented 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. In addition to EMI filtering, CleanSweep® AC EMI filters provide unparallel reduction of transient surges unattainable by regular surge protectors.

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

Various configurations available

Applications

- Electronic manufacturing
- Semiconductor fabrication
- Industrial processes
- Robotics
- R&D
- Test and measurements
- Data centers
- Military and aerospace
- Residential—EMI reduction from pumps and motors
- 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 3A

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®
AP Series
Single Phase 3A
Power Line AC Filters

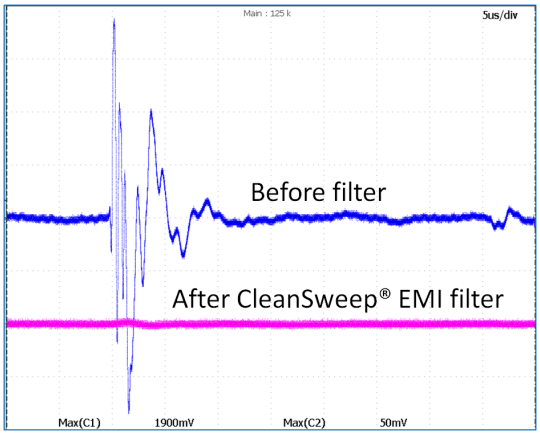
OnFILTER

Specification

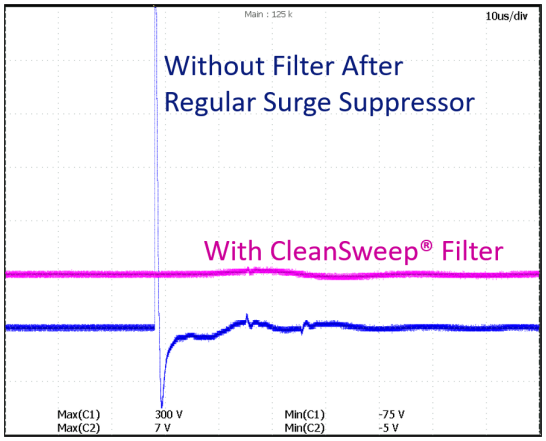
OnFILTER CleanSweep® filters utilize proprietary technology to provide maximum noise suppression in actual installations, not just in the controlled laboratory environment.

Parameter	AP Series 3A Filter
Rated Voltage, RMS	110...250V
Rated Current, RMS	3A
Leakage Current	
Standard models	<3.5mA
Medical/Residential version	<0.5mA
Power Indication	LED
Dimensions (WxDxH)	3.12”x1.85”x5.0” 80mmx47mmx127mm
Weight	15 oz 0.43 kg

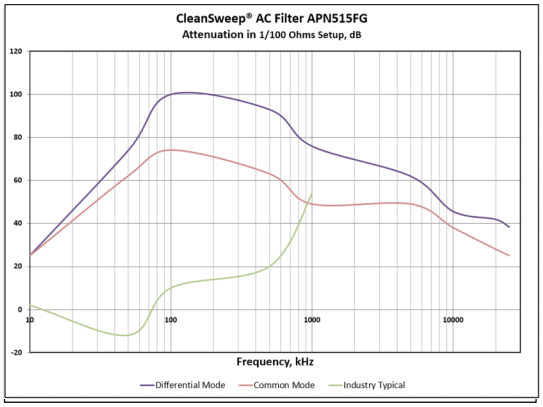
See separate datasheet for AP series filter for soldering applications



Typical Performance (Differential Mode)



Typical Power Surge Attenuation



Typical Frequency Domain Attenuation

AP Series Filters Options

Hospital/Medical Grade

These filters use lower leakage current and, as a result, have slightly lesser common mode attenuation. Suitable for non-invasive medical equipment. Our filters shall never be used in life– or mission-critical applications where a failure of a filter may lead to an injury or loss of life, or property damage. Medical grade filters are not available for this AP series with U.S.-type NEMA 5-15 outlets because NEMA-required medical grade outlets do not fit inside small enclosure. The “M” (see below) grade will still provide low leakage current suitable for medical and residential applications.

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 3A.

This example is for an AC single-phase filter for US-type NEMA5-15 outlet with ground filtering for general application with rubber foot mounting

Part Number: AP N515 FG

- Type of Filter: 3A AC filter - AP
- Outlet Code: (see table)
- Grounding: Ground Filter -F
- Application: General - G; Medical/Residential - M

This model is not available for U.S.-type outlets because medical grade U.S. outlet will not fit in the enclosure.

CleanSweep® 3A AP Family

OUTLET	ORDERING CODE	OUTLET	ORDERING CODE
NEMA 5-15	N515 ~125V 3A	CHINA/Au/NZ	CN1A ~250V 3A
SCHUKO	EUSK ~250V 3A	U.K.	EUUK ~250V 3A

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