

CleanSweep® 30A Single Phase 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
- 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 tools.

Real-Life Applications

Unlike typical 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 (between power line wires), common-mode (between power line 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 "spikes" from over 300V to a negligible level

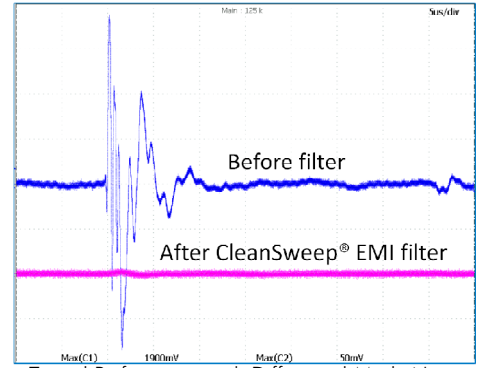
CleanSweep®
Power Line AC Filters
AF Series 30A



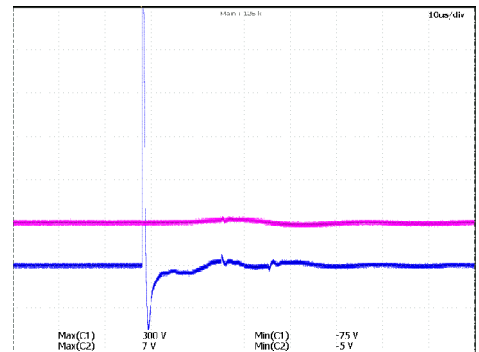
Specification

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

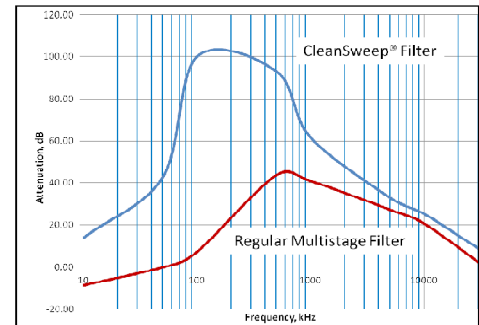
Parameter	30A Filters
Rated Voltage, RMS	110...250V
Rated Current, RMS	30A
Transient Signal Attenuation (Typical)	
Differential Mode	24dB
Common Mode	20dB
Leakage Current	
Standard models	<3.5mA
Medical version	<0.5mA
Power Indication	LED
Dimension	
Rubber Feet Mount (W*D*H)	6.15"*6.1"*3.20" 157*155*81mm
Mounting Flange (W*D*H)	6.15"*7.0"*3.30" 157*178*84mm



Typical Performance with Differential Mode Noise



Typical Surge Attenuation



Typical Frequency Response 0.1/100 Ohms Setup

Ordering Information

Please select the type of filter most suitable for your application. Although there are a number of selection criteria, choosing the right filter is fairly simple. Most important parameter you need to select is the type of an outlet. The cable supplied with the filter will have the same type of plug.

This example is for an AC single-phase filter for US-type locking 250V 30A outlet with ground filtering for general application

Part Number: AF L630 FG

Type of Filter: 20A AC filter - AF

Outlet Code: (see table)

Ground Filtering: Ground Filter - F, No Ground Filter - N

Application: General - G, Medical - M

Single Phase

OUTLET	ORDERING CODE	OUTLET	ORDERING CODE
	L530 ~125V 30A		L630 ~250V 30A
NEMA L5-30		NEMA L6-30	
TS03B			
TERMINAL BLOCK SINGLE PHASE 30A			

Contact us for other configurations



Version of filter with mounting flanges. Contact factory for details



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