CleanSweep® EG Series Single Phase AC Power Line High Performance

AFxxxxEG CleanSweep® filter family provides high level of attenuation for the worst type of EMI — at the lower end of the spectrum, under 1MHz, where most of conducted noise is originated— switched mode power supplies (SMPS), servo and variable frequency motors and alike. Regular EMI filters may provide adequate attenuation at higher frequencies (tens of MHz), but at lower end of the spectrum they offer little relief and often amplify noise in real-life installations.

CleanSweep® EG-series filters offer very good attenuation in both differential mode (i.e. between live and neutral) and in common mode, i.e. noise live and neutral on power lines and ground. More specifically, OnFILTER' CleanSweep® EG-series EMI filters provide "uncommonly" high levels of attenuation for common-mode noise at the lower end of the spectrum while preserving acceptable levels of leakage currents.

CleanSweep® EG-series filters are wired to provide the best noise attenuation from its "output," i.e. outlet, to the power line, and are very easy to install - just plug them into the wall outlet and plug your equipment into the outlet on the filter.

Applications

- EMC compliance
- 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 20A

"Instant Compliance"

OnFILTER' CleanSweep® EG series filters provide substantial attenuation for both differential and common mode emission and typically help to reduce conducted emission limits to below regulations limit the moment they are plugged in.

Real-Life Applications

Unlike regular filters designed for compliance measurements in a laboratory environment, CleanSweep® filters are optimized for effective suppression of noise in actual applications providing superb attenuation where regular filters do not perform.

Exceptional Low Frequency Attenuation

OnFILTER' CleanSweep® filters provide high levels of attenuation at lower end of the spectrum in both differential (between power line wires) and common-mode (between power line and ground) modes maintaining low leakage current.

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

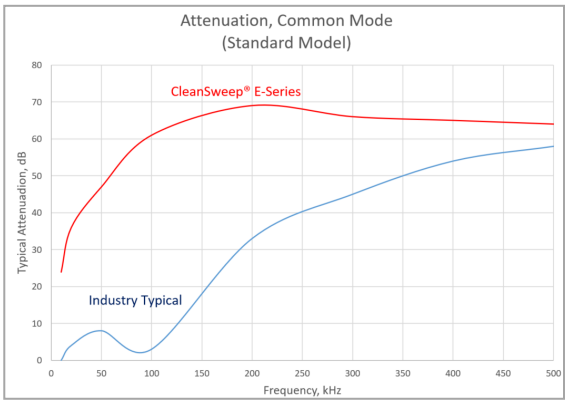
CleanSweep®
AFxxxxEG
High Performance
EMI Filters
13...20A Single Phase

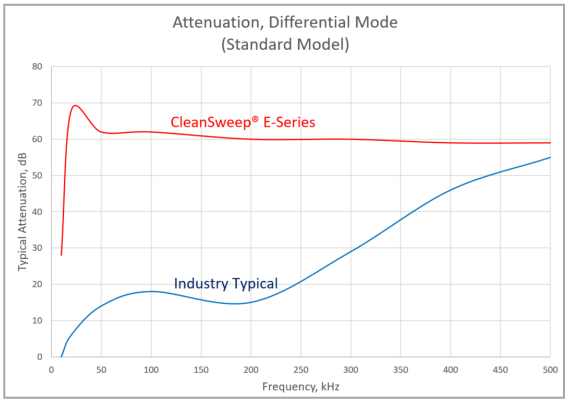
OnFILTER

Specification

OnFILTER CleanSweep® filters utilize proprietary technology to provide maximum noise suppression where regular filters do not perform well, especially at lower end of the spectrum.

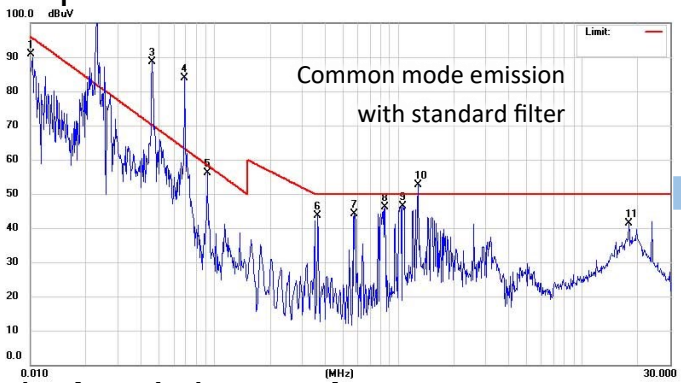
Parameter	AFxxxxEG Series Filters
Rated Voltage, RMS	110...250V
Rated Current, RMS	13...20A
Actual max. rated voltage and current depend on the type of the outlet per safety regulations	
Leakage Current	
Standard models	<3.5mA
Medical/Residential	<0.5mA
Power Indication	LED
Dimensions (WxDxH) (rubber feet mount)	6.15"*7.0"*3.30" 157*155*81mm

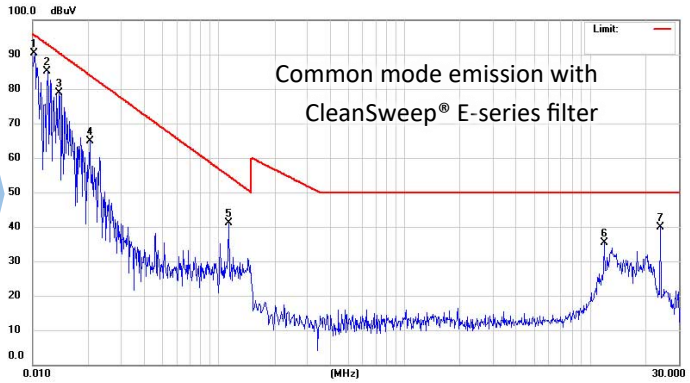




All data in 50 Ohms termination, outlet to inlet

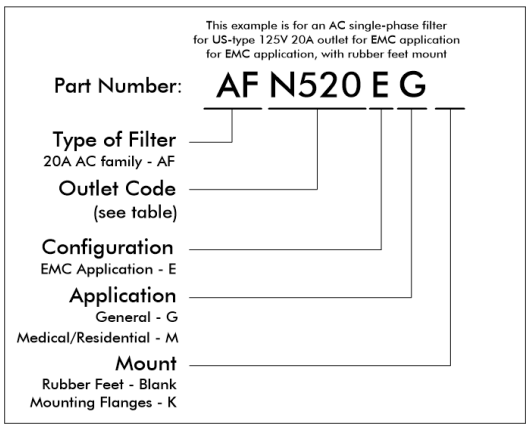
Example of Performance

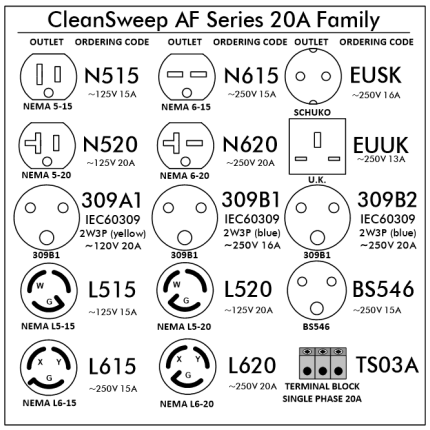




Ordering Information

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 filter base itself may be rated for 250VAC 20A, the maximum voltage and current rating for a particular model is defined by the type of the outlet. More details available in the App. Note "How to Specify CleanSweep® AC Power Line Filter" on our web site www.onfilter.com.





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All specifications are subject to change without notice. U.S. Patent 10,263,591 Made in U.S.A.