

# CleanSweep®

## 20A 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.



Various configurations available

### 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 20A

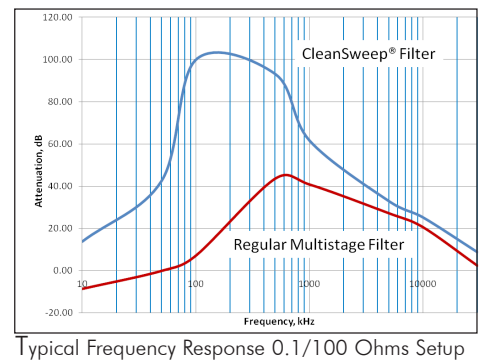
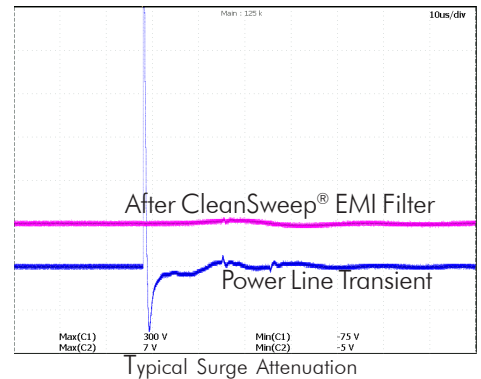
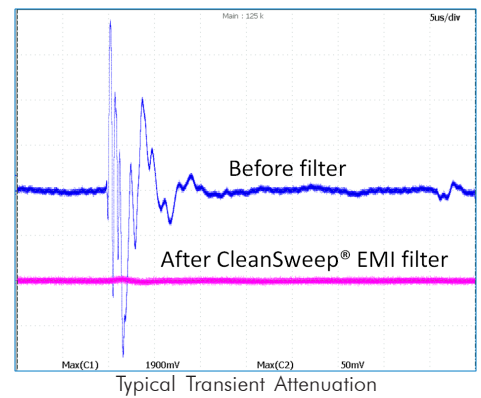


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ENTERPRISES

# Specification

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

Parameter	20A Filters
Rated Voltage, RMS	110...250V
Rated Current, RMS	13...20A
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



## Ordering Information

Please select the type of filter most suitable for your application. Although there are many 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.

Please note that the type of an outlet may limit maximum current rating to a value of less than 20A.

This example is for an AC single-phase filter for US-type 125V 20A outlet with ground filtering for general application, with rubber feet mount

Part Number: **AF N520 FG**

Type of Filter: 20A AC filter - AF

Outlet Code (see table): N520

Ground Filtering: Ground Filter - F

Application: General - G

Mount: Rubber Feet - Blank

Single Phase					
OUTLET	ORDERING CODE	OUTLET	ORDERING CODE	OUTLET	ORDERING CODE
NEMA 5-15	N515 ~125V 15A	NEMA 6-15	N615 ~250V 15A	SCHUKO	EUSK ~250V 16A
NEMA 5-20	N520 ~125V 20A	NEMA 6-20	N620 ~250V 20A	U.K.	EUUK ~250V 13A
BS546	BS546 ~250V 15A				
NEMA L5-15	L515 ~125V 15A	NEMA L5-20	L520 ~125V 20A		
NEMA L6-15	L615 ~250V 15A	NEMA L6-20	L620 ~250V 20A	TERMINAL BLOCK	TS03A SINGLE PHASE 20A

Contact us for other configurations



Version of filter with mounting flanges.  
Contact factory for details



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All specifications are subject to change without notice. Made in U.S.A.



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