

CleanSweep® DIN-Rail AC EMI Filters 250V 20A

Clean AC Power Improves Operation and Up-Time of Your Equipment

OnFILTER' CleanSweep® EMI filters provide noise-free AC power for your sensitive equipment. Innovative patented design accomplishes maximum noise suppression of signals polluting your power lines, 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, it causes downtime and errors in today's equipment and may inflict component damage.

Unique design of OnFILTER' CleanSweep® filters focuses on the properties of real-life signals on power lines and produces maximum attenuation of EMI from the "worst offenders" on power lines—switched mode power supplies (SMPS), servo motors and VFD, solenoids, and alike.

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



Applications

- Electrical Panels
- Industrial control
- Control panel UL 508A
- Utilities
- Oil and gas industry
- Water management
- Robotics
- Buildings
- Wherever EMI is a problem

Features

- Optimized for real-life power lines
- Effective noise suppression of all types of noise
- Common and differential EMI suppression
- Easy installation

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 Performance

Unlike commodity filters designed for EMC compliance 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

Common and Differential Modes

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

Advanced Transient 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

AV2020NG
CleanSweep®
AC EMI Filter
DIN-Rail Mounted

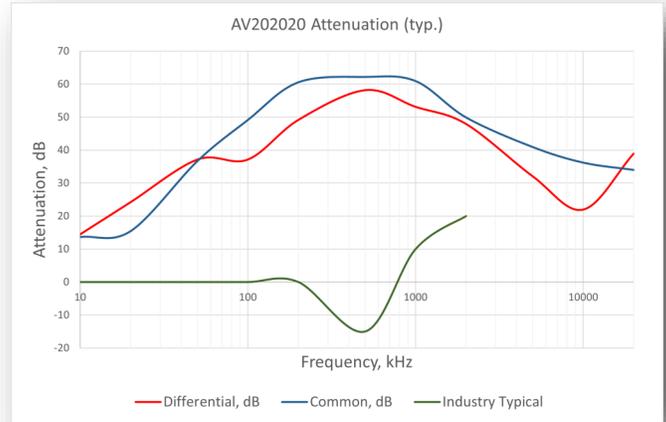
Suitable for UL 508A Panels

Specification

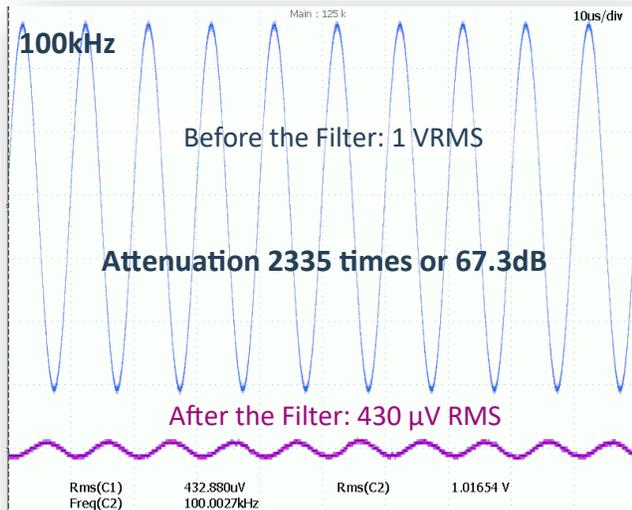
OnFILTER CleanSweep® filters utilize patented technology to provide maximum noise suppression in actual installations, not just in the controlled laboratory environment and artificial environment, surpassing performance of typical EMI filters.

Parameter	AV2020NG
Rated Voltage, RMS	250V max.
Rated Current, RMS	20A max.
Leakage Current	<3.5mA
Power Indication	LED
Enclosure width	45mm (1.77") wide
Termination	Removable terminal block inserts
Wire Gauge	AWG 24...12 0.5...2.0 mm diameter

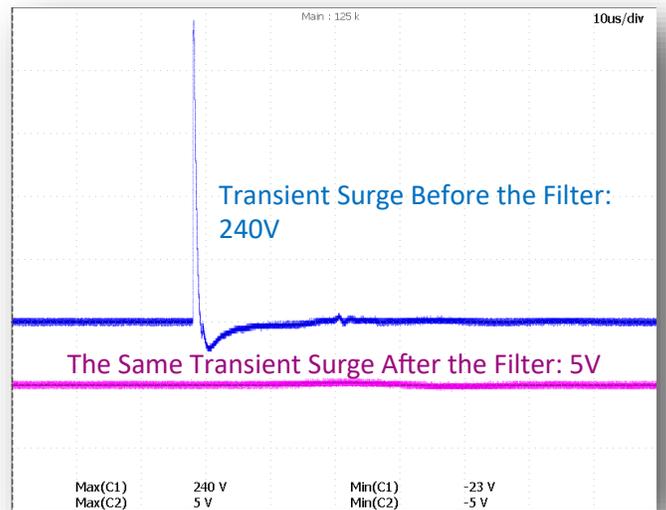
AV2020NG qualifies for UL 508A panels by being certified to UL/IEC 60939



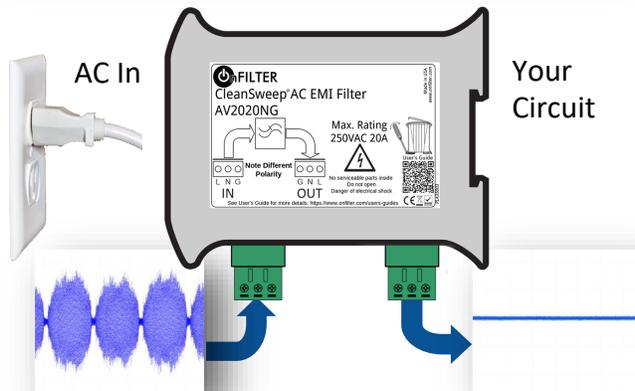
Typical Performance of AV2020NG in 1/100 Ohms Connection (Realistic Power Line)



Typical DM Attenuation at 100 kHz (SPMS Range)



Typical Transient Surge Attenuation



Need chassis-mount or stand-alone filters? See the rest of our CleanSweep® family at www.onfilter.com/ac-power-line-emi-filters

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Ordering Information

CleanSweep® AC EMI Filter

Model	Rating	Mount
AV2020NG	250V 20A	DIN Rail

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