

# CleanSweep® DIN-Rail AC EMI Filters 250V 15A

**BONDLINE**  
STATIC CONTROL SOLUTIONS

## 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 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 produces maximum attenuation of EMI from the "worst offenders" on power lines—switched mode power supplies (SMPS), servo 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
- 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 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

### 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 Surge Protection

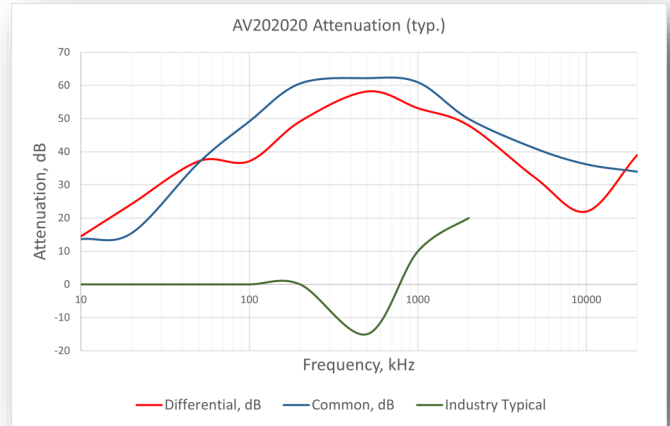
OnFILTER CleanSweep® series filters add substantial performance improvements to conventional surge protection by reducing residual high-voltage "spikes" down to a negligible level

CleanSweep®  
AC EMI Filter  
AV2020NG  
DIN-Rail Mounted

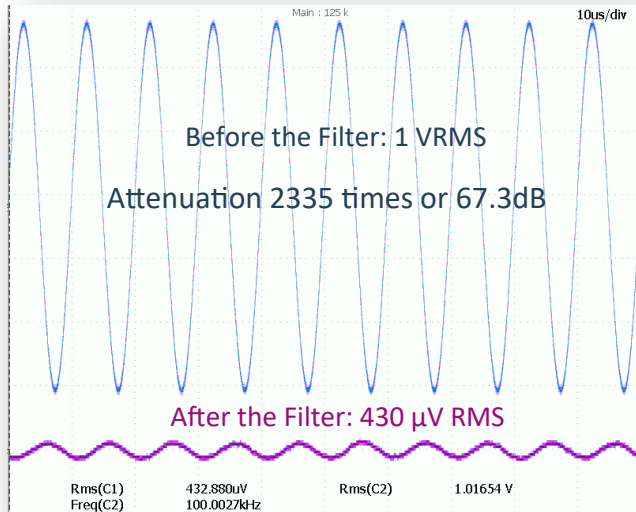
# Specification

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.

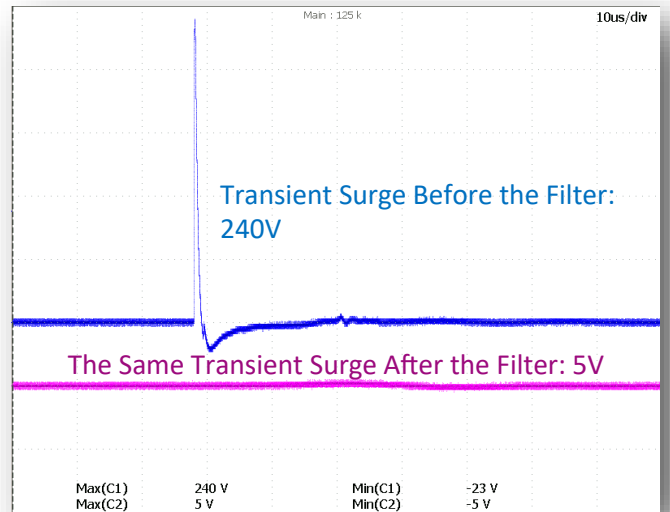
Parameter	AV2020NG
Rated Voltage, RMS	250V max.
Rated Current, RMS	20A max.
Leakage Current	<3.5mA
Power Indication	LED
Enclosure width	45mm (1.77") wide
Termination	Removable terminal block inserts
Wire Gauge	AWG 24...12



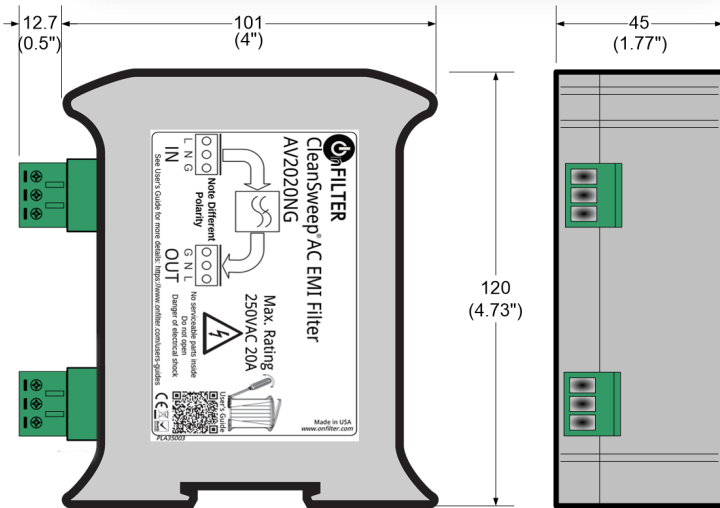
Typical Performance of AV2015NG in 1/100 Ohms Connection (Realistic Power Line)



Typical DM Attenuation at 100 kHz (SPMS Range)



Typical Transient Surge Attenuation



Mounting Dimensions



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

## Ordering Information

**AV2020NG** CleanSweep® AC EMI Filter DIN Rail 20A

Mount

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

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