

# EMI Ground Filter GLE30-1

## Protect Your Ground From High-Frequency Noise

Noise on ground is one of the most common causes of problems with equipment operation and, sometimes, component damage. Ground connects all equipment in your facility in one network and all it takes is one faulty or miswired tool anywhere to inject unacceptably high levels of electrical noise into your ground network.

OnFILTER' ground line filters help to protect your sensitive equipment from this ground noise. In one application connect your equipment to a facility ground via this filter to provide clean ground connection to your sensitive tool. In another application insert GLE30-1 in your facility' ground network on periodic intervals to stop propagation of noise via ground network.

Filters are very easy to install and they require no maintenance.

Do not connect GLE30-1 in any circuit other than ground.



### Applications

- Electronic manufacturing
- Semiconductor fabrication
- Disk drive assembly
- Industrial robotics
- Medical
- Military
- Wherever EMI is an issue

### Features

- Easy installation
- Optimized for ground lines
- Effective noise suppression for all types of noise
- Applications for equipment with current consumption up to 30A

### Increased Up-Time

OnFILTER ground line filters reduce equipment downtime caused by EMI and increase its performance and productivity by providing clean power to your sensitive tools.

### Transient Noise Suppression

Most of the noise on power and ground lines is not continuous waveforms of high frequency but rather "spikes" generated by solenoids, relays, stepper and variable-frequency motors and alike. The peak value of these spikes can be very strong reaching several volts. OnFILTER' filters are especially effective for this type of signals.

### Wide Range of Applications

OnFILTER ground line filters work with all types of equipment. They provide very low impedance for 50/60Hz safety current while blocking high-frequency noise. Equipment consuming up to 30A can use ground line filters for better performance.

Use GLE30-1 only in ground circuit - never use it in power lines.

## Ground Line Filter Model GLE30-1

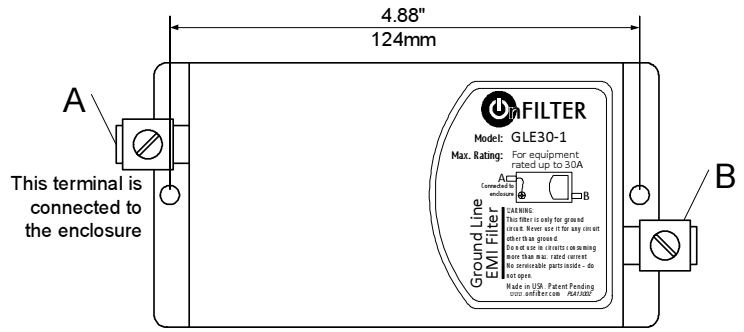
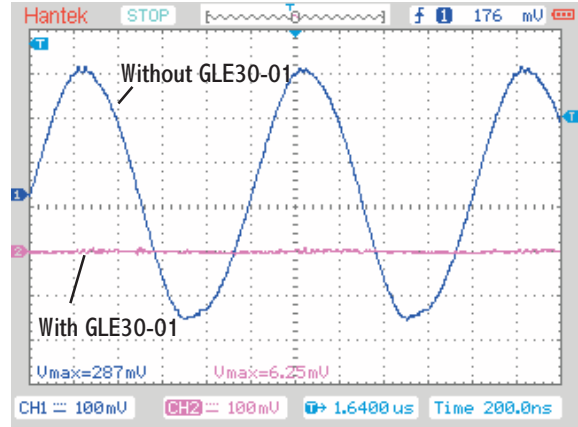
# Specification

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

Parameter	Value
Rated Max. Current, RMS	30A
Power Line Frequency	50/60 Hz
DC Resistance	<1 Ohm
External Wire Gauge	AWG14...6 1.6...4.1mm diameter
Dimensions (WxDxH)	2.56"x5.63"x1.75" (67x143x44mm)

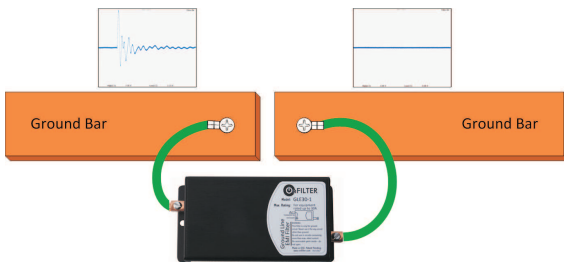
  

GLE30-1 Performance @1MHz



# Applications Examples

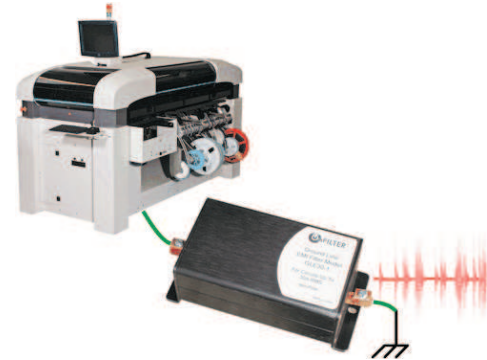
Filtering Noise in Ground Bars



Filtering Ground in Subfloor



Grounding Equipment



# Ordering Information

Ground Line Filter Model GLE30-1



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

