

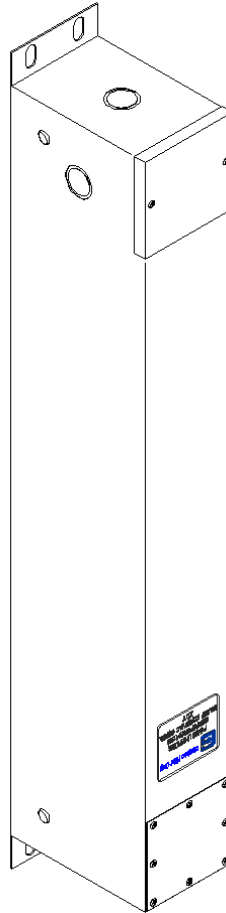


GENISCO FILTER™
always on.™



Power Line Filters

GF67920 High Performance Series Filter
100 dB from 14 kHz ~ 18 GHz



| Ordering Information | | | |
|--|-----------------------|-----------------------|------------------------|
| GF67920 | -2x | 030 | -00 |
| | | | |
| Basic Prefix | # of Filters * | Current Rating | Add-Ons (Opt) |
| | -2x -3x -4x | | 00-Standard 03-MOVs |
| <small>* One filter per conductive path ** Represents maximum Voltage/Frequency</small> | | | |



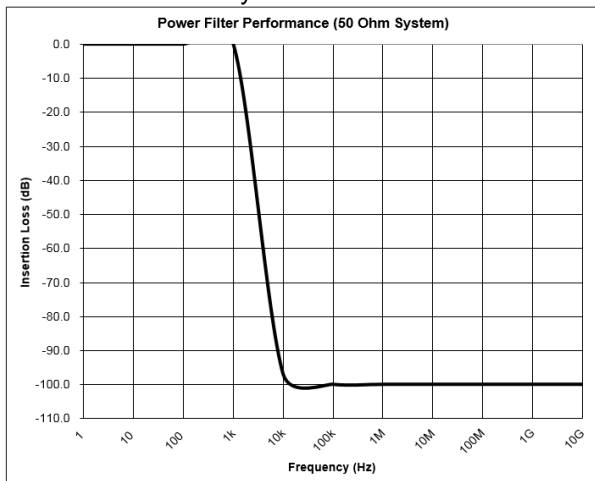


Product Summary

These EMI/RFI Power Line Filters are used to block unwanted signals and remove interference from entering or exiting through power lines for shielded rooms, SCIFS, screen rooms and many other forms of Faraday cages. It provides 100 dB protection against EMI interference from 14 kHz ~ 18 GHz.

FUNCTIONAL CHARACTERISTICS

- Voltage Ratings:
 - 24-1,000 VDC
 - 120/208 VAC (50/60 Hz)
 - 277/480 VAC (50/60 Hz)
- Voltage Drop:
 - 2% maximum at full rated unity power factor load.
- Harmonic Distortion:
 - 4% maximum at full rated unity power factor load
- Temperature Rating:
 - MIL-PRF-15733
- Current Overload:
 - 140% maximum current rating
- RF Radiation:
 - Greater than 100 dB isolation
- Dielectric With-Standing Voltage:
 - 2,200 VDC (prior to installation of discharge resistors)
- Insulation Resistance:
 - MIL-PRF-15733 (prior to installation of discharge resistors)
- Insertion loss:
 - 100 dB 14 kHz to 18 GHz
 - 50/50 Ohm System



*Representation of Insertion Loss Specifications

SPECIAL FEATURES

Filter(s)

- Low Pass filter circuits ~ passive components which includes inductors, capacitors, resistors and optional transient suppression devices
- Manufactured and tested per applicable portions of MIL-PRF-15733
- All circuits provided in single enclosure
- Discharge resistors incorporated to eliminate potential shock hazard

Enclosure

- Fabricated case of not less than 18 gauge cold rolled steel electro plated or painted Gray (Std. Paint Color)
- Sealed with welded and soldered seams for minimum shielding effectiveness 100 dB, 14 kHz to 18 GHz
- Double knock outs provided on filter case input
- Dual cover access to input and output terminals
- Mounting tab provided for easy wall mount options

Applicable Specifications

- Military Specifications
 - MIL-PRF-15733 General
- Military Test Methods
 - MIL-STD-202 Component Parts
 - MIL-STD-220 Insertion Loss
 - MIL-STD-285 Shielding Effectiveness
- NFPA 70/2011 National Electrical Code Standards

Available Options

- MOVs - EMP and Surge Suppressors
- Threaded pipe penetration available by request.
- Voltage Indicator Lights
- Ground Wire
- Internal Mounting Flange



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Mechanical Dimensions

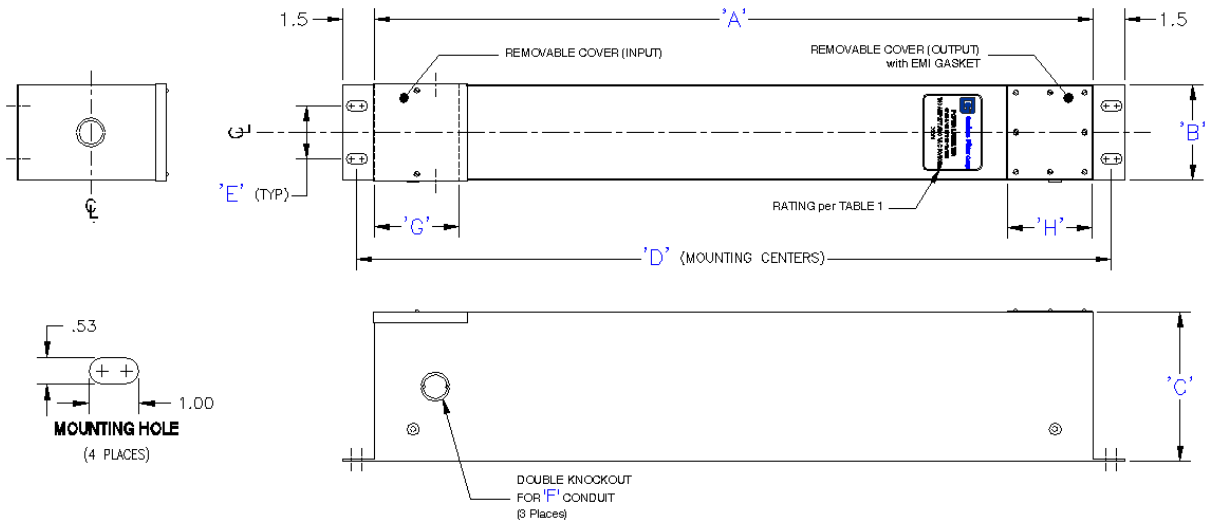


Table 1 Mechanical Dimensions

| # of Filters & Max Current Rating | A | B | C | D | E | F | G | H | Approx Weight (lbs) |
|-----------------------------------|----|-----|----|------|---|---------|---|---|---------------------|
| 1x015 | 24 | 4.5 | 6 | 25.6 | 2 | 1 - 1¼ | 4 | 5 | 30 |
| 1x030 | 28 | 4.5 | 6 | 29.6 | 2 | 1 - 1¼ | 4 | 5 | 35 |
| 1x060 | 34 | 5 | 6 | 35.6 | 2 | 1 - 1¼ | 4 | 5 | 50 |
| 1x100 | 34 | 5 | 6 | 35.6 | 2 | 1 - 1¼ | 4 | 5 | 50 |
| 1x150 | 45 | 6.5 | 8 | 46.6 | 2 | 1 - 1¼ | 6 | 7 | 85 |
| 1x200 | 45 | 6.5 | 8 | 46.6 | 2 | 1 - 1¼ | 6 | 7 | 85 |
| 1x250 | 45 | 6.5 | 8 | 46.6 | 2 | 1 - 1¼ | 6 | 7 | 100 |
| 1x300 | 51 | 8 | 10 | 52.6 | 2 | 1¼ - 1½ | 6 | 7 | 150 |
| 1x400 | 51 | 8 | 10 | 52.6 | 2 | 1¼ - 1½ | 6 | 7 | 150 |
| 2x015 | 24 | 8 | 6 | 28.6 | 2 | 1 - 1¼ | 4 | 5 | 40 |
| 2x030 | 28 | 8 | 6 | 35.6 | 2 | 1 - 1¼ | 4 | 5 | 45 |
| 2x060 | 34 | 10 | 6 | 35.6 | 3 | 1 - 1¼ | 4 | 5 | 100 |
| 2x100 | 34 | 10 | 6 | 35.6 | 3 | 1 - 1¼ | 4 | 5 | 100 |
| 2x150 | 45 | 11 | 8 | 46.6 | 3 | 1¼ - 1½ | 6 | 7 | 125 |
| 3x015 | 24 | 11 | 6 | 24.6 | 3 | 1 - 1¼ | 4 | 5 | 55 |
| 3x030 | 28 | 11 | 6 | 28.6 | 3 | 1 - 1¼ | 4 | 5 | 55 |
| 3x060 | 34 | 15 | 6 | 35.6 | 3 | 1 - 1¼ | 4 | 5 | 75 |
| 3x100 | 34 | 15 | 6 | 35.6 | 3 | 1 - 1¼ | 4 | 5 | 80 |
| 4x015 | 24 | 14 | 6 | 24.6 | 3 | 1 - 1¼ | 4 | 5 | 70 |
| 4x030 | 28 | 14 | 6 | 28.6 | 3 | 1 - 1¼ | 4 | 5 | 75 |

*Other Circuit Configurations and Current Ratings Available Upon Request • Dimensions are in Inches
SPECIFICATIONS SUBJECT TO CHANGE WITHOUT NOTICE