



Facility Power Line Filters

**GF68215 High Performance Series Inductive Input
 100 dB from 14 KHz ~ 18 GHz**



Ordering Information		
GF68215	-100	D
Basic Prefix	Current Rating (Table 1)	Voltage/Frequency Rating
		A: 24-1,000 VDC
		B: 120/208 VAC, 50/60 Hz
		C: 120/208 VAC, 400 Hz
		D: 277/480 VAC, 50/60 Hz

Product Summary

EMI/RFI Facility Power Line Filters are used to block unwanted signals and remove interference from entering or exiting through the power lines. Our High Performance Filters are specified to 100 dB from 14 kHz ~ 18GHz.

The GF68215 Facility Power Line Filter is a standalone filter that can be used to replace existing filters in our panel configuration (GFP68216), or if a RF shielded bulkhead is required for your installation.

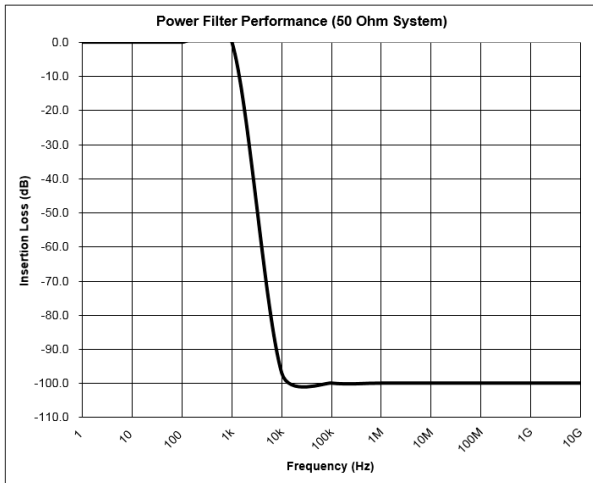
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FUNCTIONAL CHARACTERISTICS

- 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

Filters

- 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
- Filter cases 16 gage, CRS, plated or painted finish
- Sealed with welded and soldered seams for shielding effectiveness
- Discharge resistors incorporated to eliminate potential shock hazard

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

- EMP and surge Suppressors
- 400 Hz Filters (lower insertion loss performance)

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Mechanical Dimensions

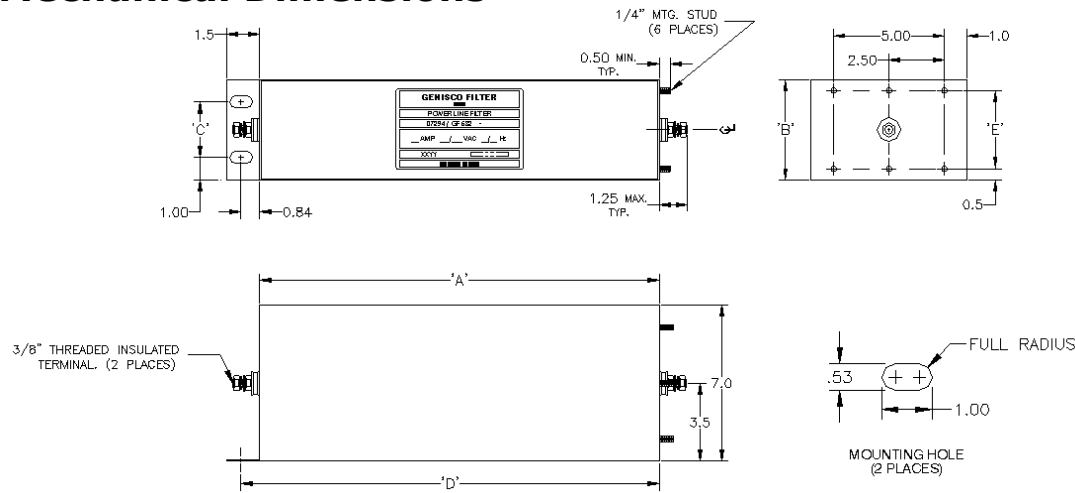


Table 1a Mechanical Dimensions

Current Rating*	A	B	C	D	E	Approx Weight (lbs)
30A/50A/60A	18.0	4.5	2.5	18.84	3.5	30
100A/150A	34.0	4.5	2.5	34.84	3.5	50
200A/250A	34.0	6.5	4.5	34.84	5.5	75

*Other Circuit Configurations and Current Ratings Available Upon Request • Dimensions are in Inches

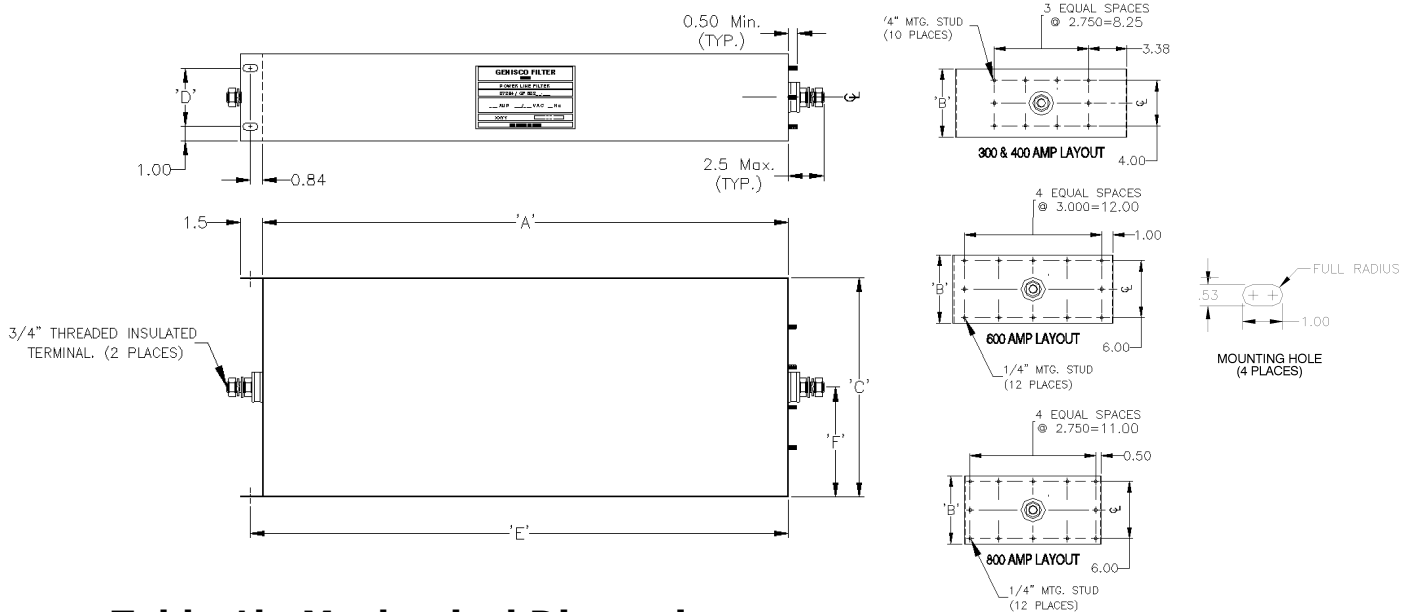


Table 1b Mechanical Dimensions

Current Rating*	A	B	C	D	E	F	Approx Weight (lbs)
300A/400A	36.0	6.0	15.0	4.00	36.84	7.50	145
600A	37.0	7.0	14.0	5.00	37.84	7.00	175
800A	60.0	7.0	12.0	5.00	60.84	6.00	225

*Other Circuit Configurations and Current Ratings Available Upon Request • Dimensions are in Inches



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