



GENISCO FILTER™
always on.™



Facility Power Line Filters

**GF78200 High Performance Series Capacitive Input
100 dB from 14 KHz ~ 18 GHz**



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 GF78200 Facility Power Line Filter is a standalone filter that can be used to replace existing filters in our panel configuration (GFP78201), or if a RF shielded bulkhead is required for your installation.

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

components which includes inductors, capacitors, resistors and optional transient suppression devices

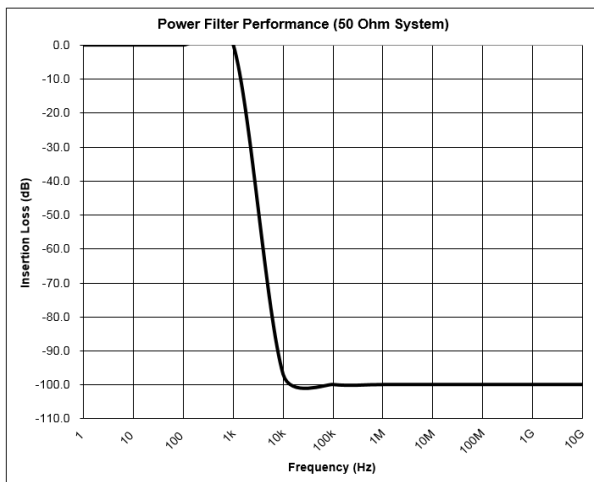
- Manufactured and tested per applicable portions of MIL-PRF-15733
- Filter cases 16 gage, CRS, plated or painted finish
- Sealed with welded and soldered seams for shielding effectiveness
- Discharge resistors incorporated to eliminate potential shock hazard

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)



*Representation of Insertion Loss Specifications

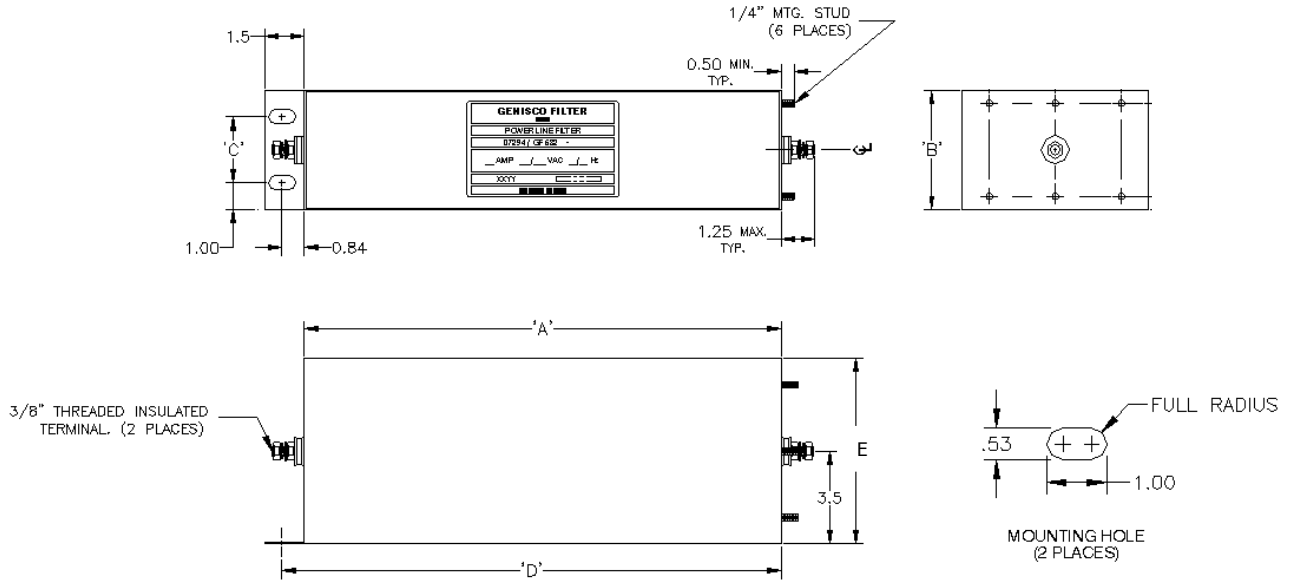
SPECIAL FEATURES

Filters

- Low Pass filter circuits ~ passive



Mechanical Dimensions



Mechanical Dimensions

Current Rating*	A	B	C	D	E	F Mounting studs	Approx Weight (lbs)
15 Amp Max	16.0	4.5	2.5	16.84	7	6	22
30 Amp Max	20.0	4.5	2.5	20.84	7	6	30
60 Amp Max	26.0	5.0	3.0	26.84	7	6	45
100 Amp Max	26.0	5.0	3.0	26.84	7	6	50
150 Amp Max	33.0	6.0	4.0	33.84	8	8	65
200 Amp Max	33.0	6.0	4.0	33.84	8	8	75
250 Amp Max	33.0	6.0	4.0	33.84	8	8	75
300 Amp Max	40.0	8.0	6.0	40.84	10	10	145
400 Amp Max	40.0	8.0	6.0	40.84	10	10	145
600 Amp Max	43.0	9.0	7.0	43.84	12	10	225

