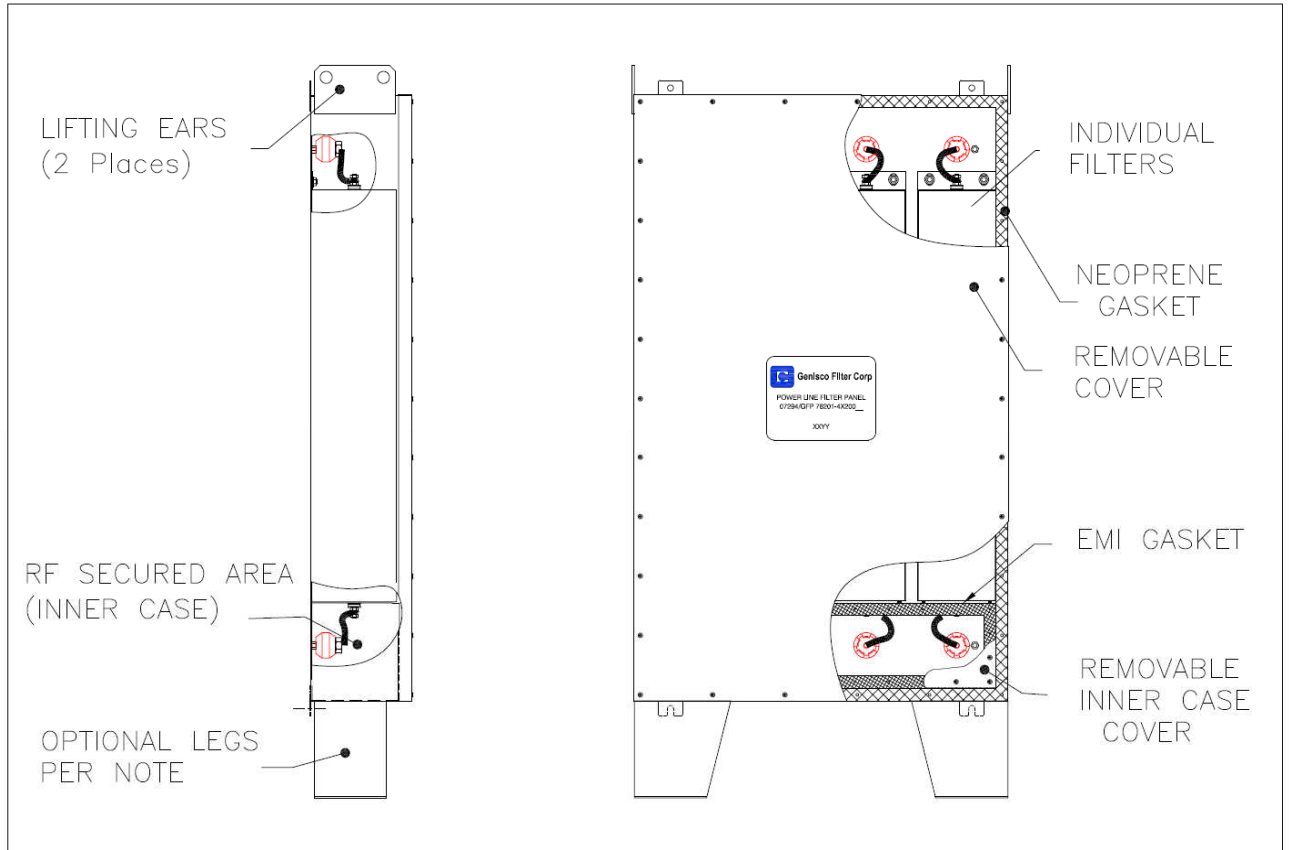


Facility Power Line Filter Panels

GFP78201 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 GFP78201 Filter Panels have an insertion loss (Attenuation) of **100 dB from 14 kHz ~ 18GHz.**

*SUBJECT TO CHANGE WITHOUT NOTICE
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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

Note: Filters are not designed or intended for short circuit, and are not provided with integral overcurrent protection, or any overcurrent protection. Intended to be installed with suitably rated overcurrent protection upstream to prevent all short-circuit scenarios from occurring. When a filter is installed downstream of an approved overcurrent protection device (Such as a circuit breaker) there is no need for the filter to have an SCCR rating itself, since the upstream protection device will provide protection to the filter.

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SPECIAL FEATURES

Phase Filters

Many of our GF78200 series High Attenuation phase filters used in the GFP78201 series filter panels are UL recognized.

- 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

Panel/Enclosure

- Modified NEMA type fabricated panel of not less than 14 gauge cold rolled steel, polyurethane painted, or powder coated Gray.
- RF tight inner area secured with RF gasket for a minimum 100 dB shielding effectiveness, 14 kHz to 18 GHz
- Pre-wired standoff insulators and cable lugs
- Lifting ears included
- Front cover access to filters and terminal standoffs
- Lugs provided for wire connection
- Floor or 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

Some of the Available Options

- EMP shield surge Suppressors
- Legs (8.0 Inch Optional up to 250 Amp. Standard on 300 Amp and above)

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GF78201 Mechanical Dimensions

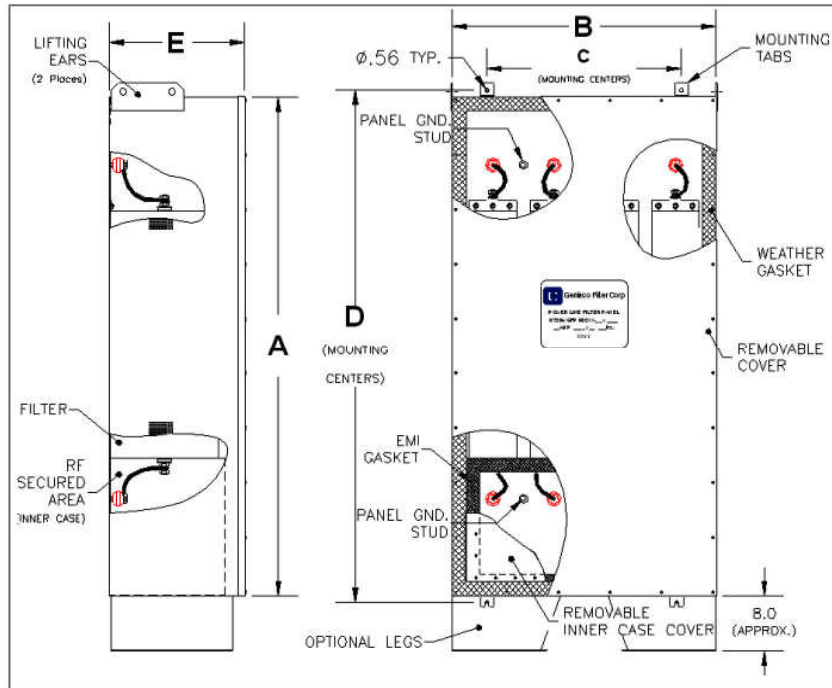



Table 1: GF78201 Filter Panel Mechanical Dimensions

UL RECOGNIZED GF78200 PHASE FILTERS USED	Quantity of Filters and Current Rating*	A	B	C	D	E	Approx Weight (lbs)
 UL 1283	YES 4x30 Amp	34	23	17	35.25	8.25	225
	YES 4x60 Amp	42	26	20	43.25	8.25	300
	YES 4x100 Amp	42	26	20	43.25	8.25	325
	YES 4x150 Amp	51	30	24	52.3	10	400
	YES 4x200 Amp	51	30	24	52.3	10	450
	4x250 Amp	51	30	24	52.3	10	450
	4x300	80" overall. **(72" case + 8" legs)	39	N/A	Side tab	14	900
	4x400	80" overall. **(72" case + 8" legs)	39	N/A	Side tab	14	900

** Legs are standard on 300 Amp and larger Filter Panels.

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



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PART NUMBER BREAKDOWN, USING A **GFP78201-4X100-00** AS THE EXAMPLE:

- GFP78201 = FILTER PANEL SERIES
- -4x100 = Number of individual filter elements installed within the filter enclosure. This is followed by the amperage rating. In this example there are four filter elements each rated for 100 amps.
- -00. The last one or two characters denote options or special manufacturing notes.



The UL recognized component logo signifies that the GF78200 filter insert, used in this series of EMI filter Panels have passed the rigorous UL 1283 standard. Recognized components conform to the same UL standard as UL Certified devices, differing only in the use of the device. Our UL recognized GF78200 filters are designed to be a component installed within our GFP series Filter Panels, rather than a standalone device.

Please contact us for specific model information and pricing or with any questions you may have.

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