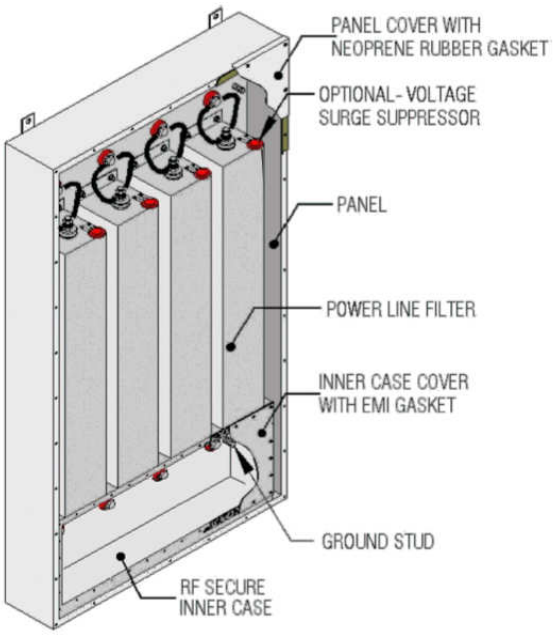
Facility Power Line Filters

GFP78201 High Performance Series Capacitive Input
100 dB from 14 KHz ~ 18 GHz



PANEL OPTIONS

GFP78201	-4x	075	-00
PANEL MODEL	NUMBER OF FILTERS *	Current Rating (AMPS)	Add-Ons (Opt)***
	-2x		00-Standard
	-3x		01-Legs
	-4x		02-Lights
			03-MOVs
			04-Legs+Lights
			05-Legs+MOV
			06-Lights+MOV
			07-Legs+Light+MOV

* One filter per conductive path
*** Crate for shipping included in all options

Product Summary

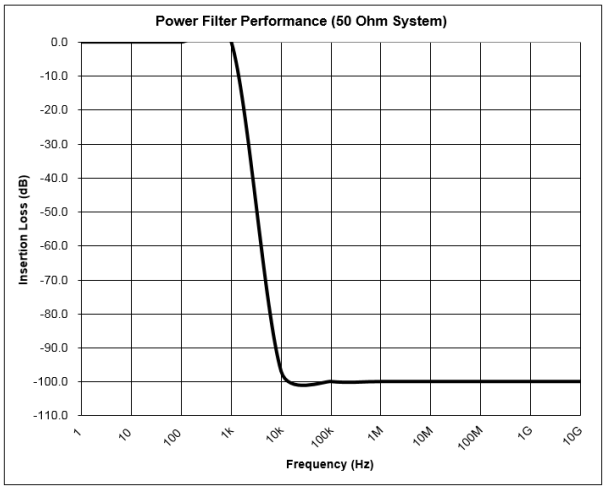
EMI/RFI Facility Power Line Filters are used to block unwanted signals and remove interference from entering or exiting through the power lines. Our High Performance Filters are specified to 100 dB from 14 kHz ~ 18GHz.

SUBJECT TO CHANGE WITHOUT NOTICE
03/28/2014

FUNCTIONAL CHARACTERISTICS

- Voltage Ratings:
  - o 24-1,000 VDC
  - o 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

SUBJECT TO CHANGE WITHOUT NOTICE
03/28/2014

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

Enclosure

- Modified NEMA type fabricated panel of not less than 14 gauge cold rolled steel painted Gray (Std. Paint Color)
- RF tight inner area secured with RF gasket for 100 dB minimum shielding effectiveness, 14 kHz to 18 GHz
- Pre-wired standoffs and cable lugs
- Lifting ears included
- Front cover access to filters and terminal standoffs
- 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

Available Options

- EMP and surge Suppressors
- HUB and Fitting Installation
- Legs (8.0 Inch Standard)
- Custom Paint Colors (Enclosure)
- RF Secure Penetration Accessories
- Voltage Indicator Lights
- 400 Hz Filters (lower insertion loss performance

GF78201

680 W. Bradley St., El Cajon, CA 92020 • 619-440-4900 • 855-GENISCO • info@genisco.com • **www.genisco.com**

Mechanical Dimensions

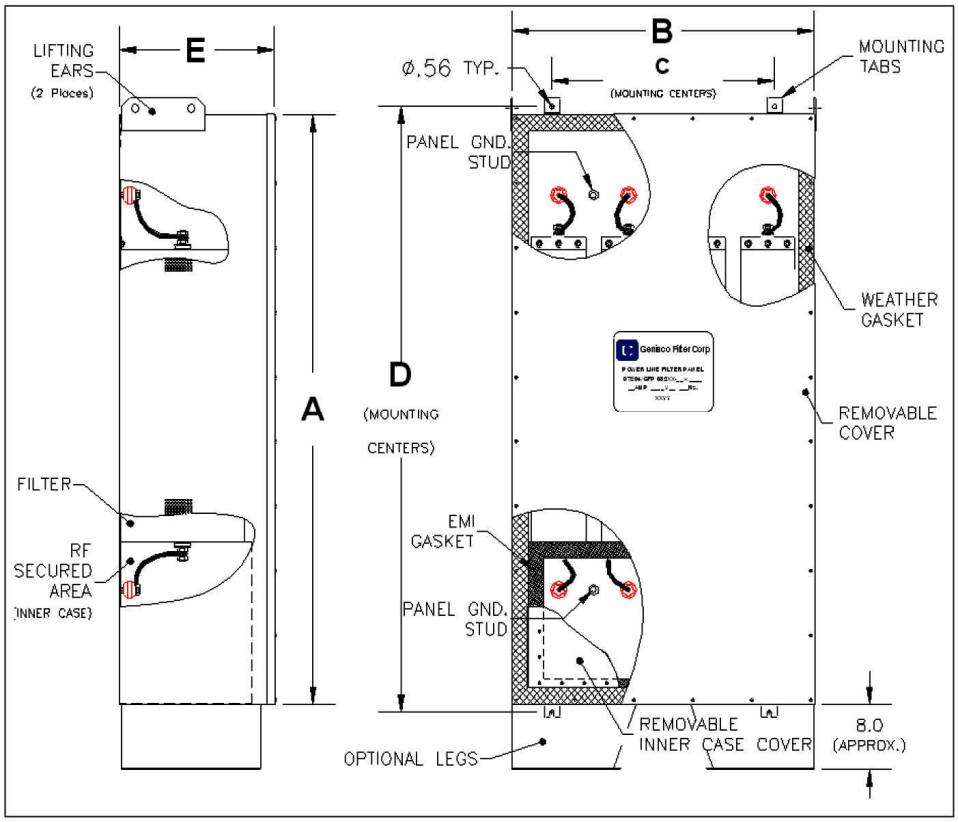


Table 1 GF78201 Mechanical Dimensions

Quantity of Filters and Current Rating*	A	B	C	D	E	Approx Weight (lbs)
4x15 Amp	28	23	17	29.25	8.25	175
4x30 Amp	34	23	17	35.25	8.25	225
4x60 Amp	42	26	20	43.25	8.25	300
4x100 Amp	42	26	20	43.25	8.25	325
4x150 Amp	51	30	24	52.3	10	400
4x200 Amp	51	30	24	52.3	10	450
4x250 Amp	51	30	24	52.3	10	450
4x300	72	39	N/A	Side tab	14	900
4x400	72	39	N/A	Side tab	14	900

***Other Circuit Configurations and Current Ratings Available Upon Request • Dimensions are in Inches**
SUBJECT TO CHANGE WITHOUT NOTICE
03/28/2016

680 W. Bradley St., El Cajon, CA 92020 • 619-440-4900 • 855-GENISCO • info@genisco.com • **www.genisco.com**

GF68201 4x800
Mechanical Dimensions

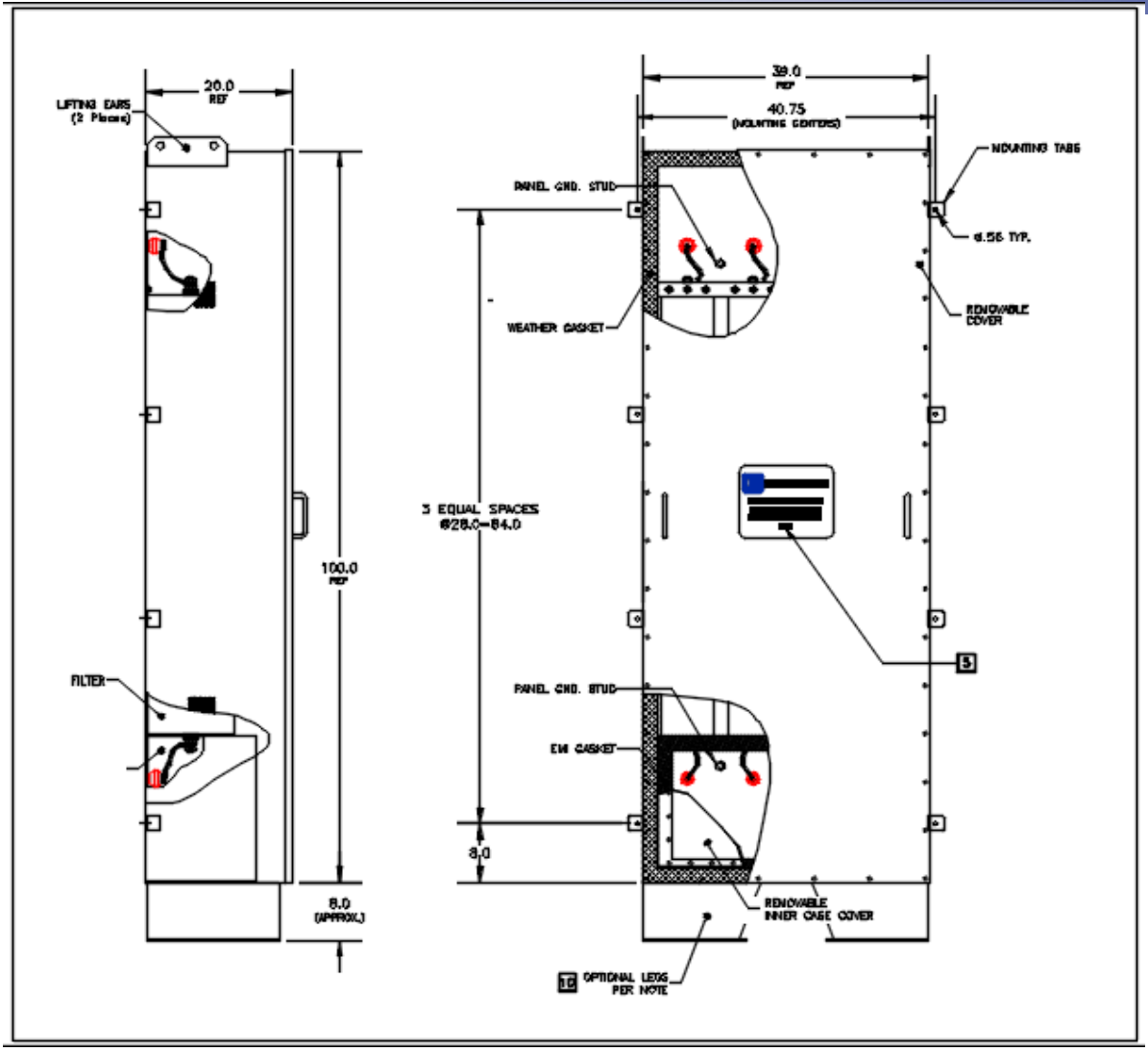
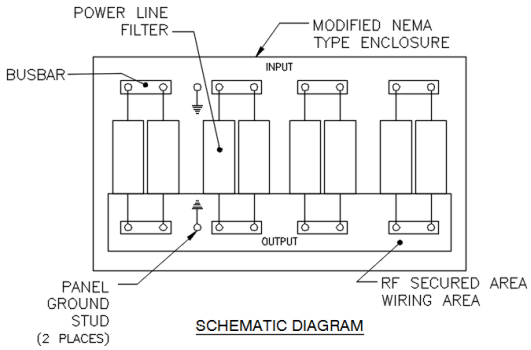


Table 2 GF68201 4x800 Mechanical Dimensions

Quantity of Filters and Current Rating*	A	B	C	D	E	Approx Weight (lbs)
4x800 Amp	100	39	N/A	N/A	20	1,600

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

SUBJECT TO CHANGE WITHOUT NOTICE
03/28/2016



SCHEMATIC DIAGRAM

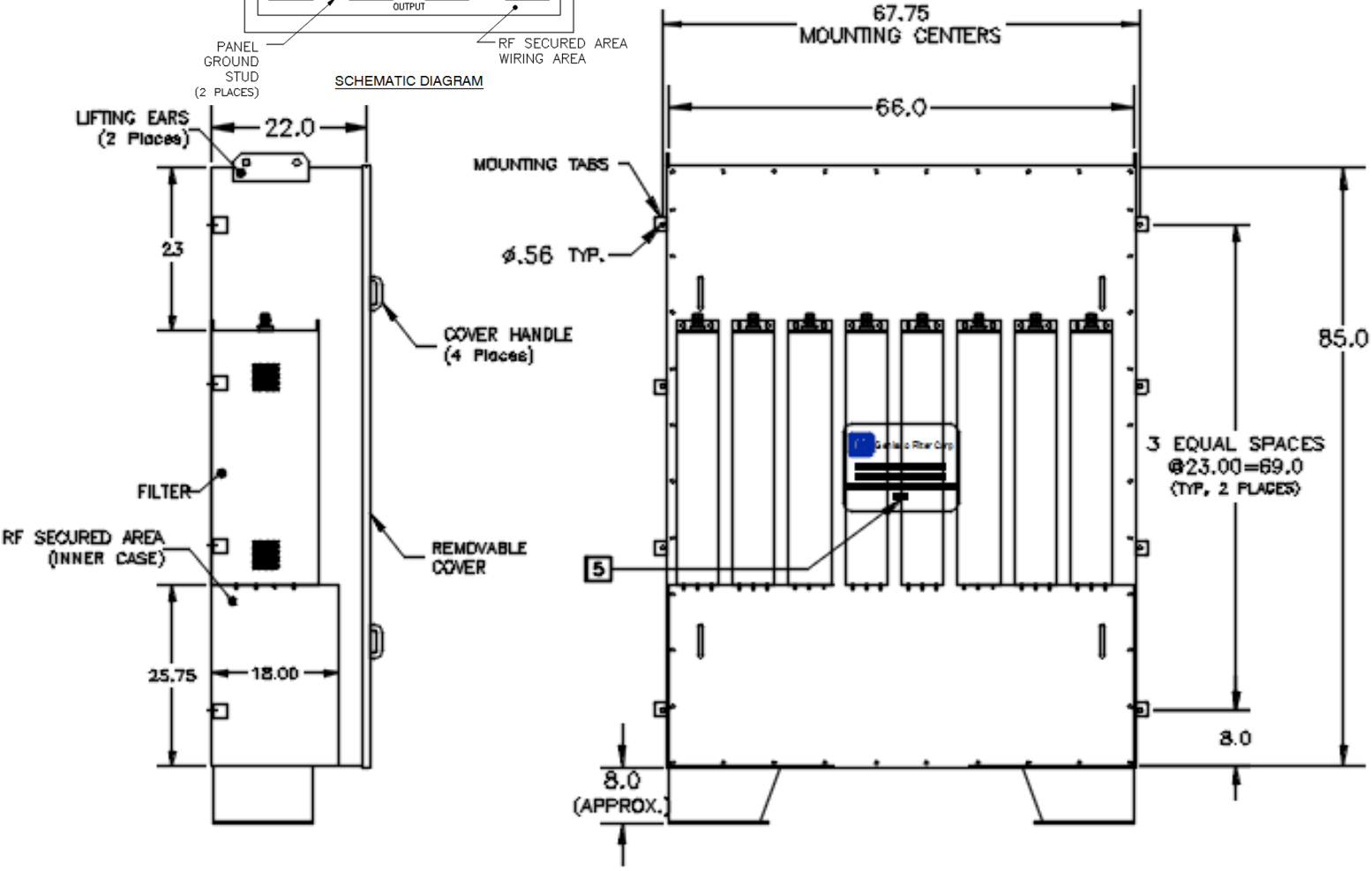


Table 3 GF68201 4x1200 Mechanical Dimensions

Quantity of Filters and Current Rating*	A	B	C	D	E	Approx Weight (lbs)
4x1,200 Amp	72	66	N/A	N/A	18	2,200

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

SUBJECT TO CHANGE WITHOUT NOTICE
03/28/2016

680 W. Bradley St., El Cajon, CA 92020 • 619-440-4900 • 855-GENISCO • info@genisco.com • **www.genisco.com**