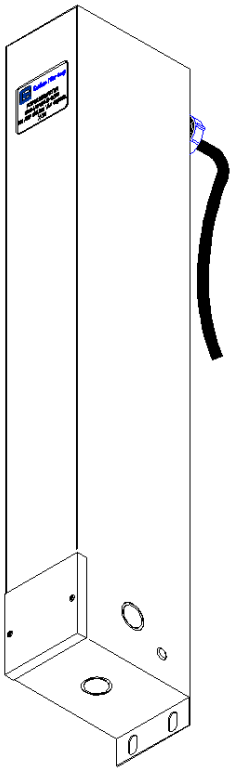
Standalone Power Line Filters

GF67915 High Attenuation Series Filter
100 dB from 14 kHz ~ 18 GHz



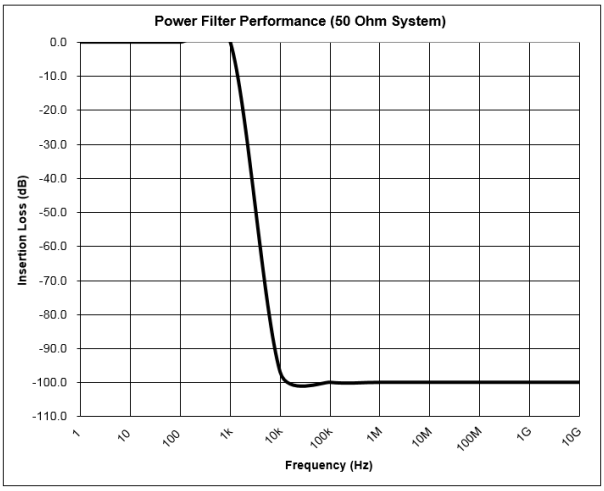
Product Summary

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. The GF67915 series has one removable cover over the terminals and a pre-wired penetration pipe. Knockouts are provided on the covered side. Penetration pipe is standard NPSM and can be extended if needed by the installer using standard fittings.

Subject to change. 2/9/2026

FUNCTIONAL CHARACTERISTICS

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



*Representation of Insertion Loss Specifications

SPECIAL FEATURES

- Low Pass filter circuits ~ passive components which include 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
  - o MIL-PRF-15733 General
- Military Test Methods
  - o MIL-STD-220C Insertion Loss
  - o MIL-STD-285 Shielding Effectiveness
  - o MIL-STD-202 Component Parts
- NFPA 70/2011 National Electrical Code Standards
- Manufactured to UL 1283 standards.
- ETL Intertek certified.
  - o Conforms to UL 1293 standard.
  - o Certified to CSA STD C22.2#8
  - o See product list for ETL certified models.

See model list on pages 4 & 5 for ETL listed filters

Mechanical Dimensions

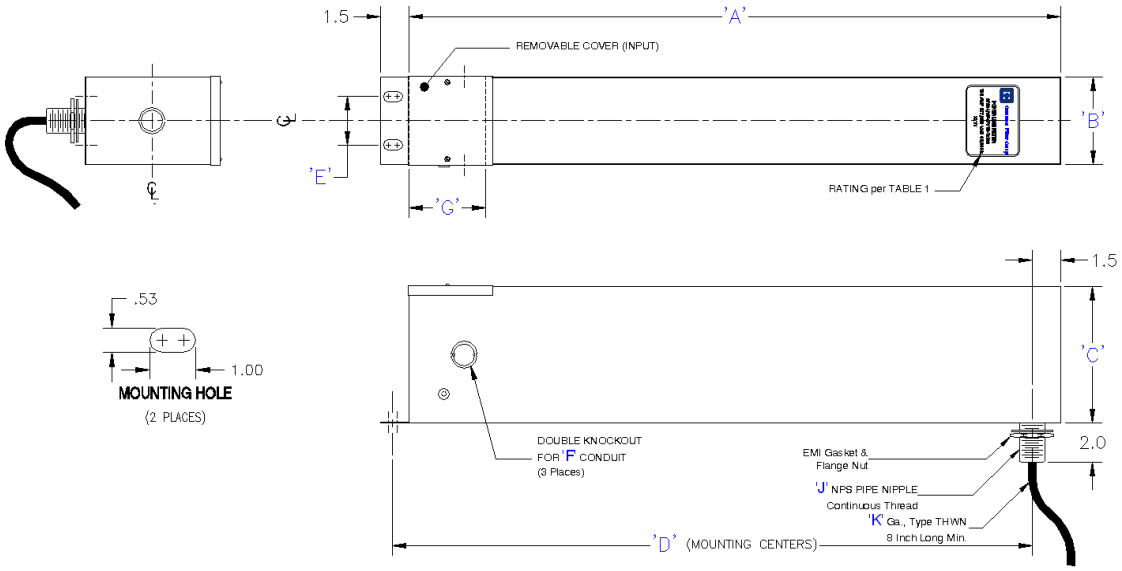


Table 1 Mechanical Dimensions

Intertek	# of Filters & Max Current Rating	A	B	C	D	E # of holes	F	G	J	K	Approx Weight (lbs)
YES	1x015	22	4.5	6	21.25	2	1 – 1¼	4	1	#10 THWN	30
YES	1x030	26	4.5	6	25.25	2	1 – 1¼	4	1	#8 THWN	35
YES	1x060	32	5	6	31.25	2	1 – 1¼	4	1	#6 THWN	50
YES	1x100	32	5	6	31.25	2	1 – 1¼	4	1	#2 THWN	50
YES	1x150	41	6	8	40.25	2	1 – 1¼	6	1	1/0 WELD	85
YES	1x200	41	6	8	40.25	2	1 – 1¼	6	1	2/0 WELD	85
	1x250	41	6	8	40.25	2	1 – 1¼	6	1	2/0 WELD	100
	1x300	47	8	10	46.25	2	1¼ – 1½	6	1¼	3/0 WELD	150
	1x400	47	8	10	46.25	2	1¼ – 1½	6	1¼	4/0 WELD	150

ETL C US Intertek	# of Filters & Max Current Rating	A	B	C	D	E # of holes	F	G	J	K	Approx Weight (lbs)
	2x015	22	8	6	21.25	2	1 – 1¼	4	1	#10 THWN	40
YES	2x030	26	8	6	25.25	2	1 – 1¼	4	1	#8 THWN	45
YES	2x060	32	10	6	31.25	3	1 – 1¼	4	1	#6 THWN	100
YES	2x100	32	10	6	31.25	3	1 – 1¼	4	1	#2 THWN	100
YES	2x150	41	11	8	40.25	3	1¼ – 1½	6	1¼	1/0 WELD	125
YES	2x200	41	11	8	40.25	3	1¼ – 1½	6	1¼	2/0 WELD	125
	3x015	22	11	6	21.25	3	1 – 1¼	4	1	#10 THWN	55
YES	3x030	26	11	6	25.25	3	1 – 1¼	4	1	#8 THWN	55
YES	3x060	32	15	6	31.25	3	1 – 1¼	4	1	#6 THWN	75
YES	3x100	32	15	6	31.25	3	1 – 1¼	4	1	#2 THWN	75
YES	4x015	22	14	6	21.25	3	1 – 1¼	4	1	#10 THWN	70
YES	4x030	26	14	6	25.25	3	1 – 1¼	4	1	#8 THWN	75

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

PART NUMBER BREAKDOWN, USING A **GF67915-2X30-00** AS THE EXAMPLE:

- GF67915 = BASIC FILTER SERIES
- -2x30 = Number of filter circuits within the filter housing. This is followed by the amperage rating. In this example there are two wire terminations each rated for 30 amps. A line and neutral, two lines, or positive and negative.
- -00. The last one or two characters denote options or special manufacturing notes.

Information is general and subject to change without notice. Please contact us for help with your project.

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.

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

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