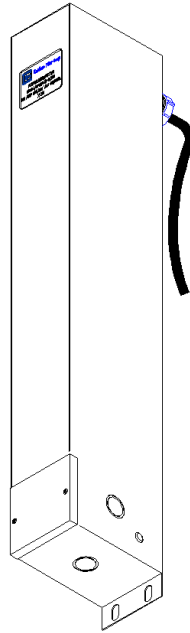




Power Line Filters

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



Ordering Information			
<u>GF67915</u>	<u>-2x</u>	<u>030</u>	<u>-00</u>
Basic Prefix	# of Filters *	Current Rating (Table 1)	Add-Ons (Opt)
	-2x -3x -4x		00-Standard 01-Ground Wire 02- 03-MOVs
<small>* One filter per conductive path ** Represents maximum Voltage/Frequency</small>			

Product Summary

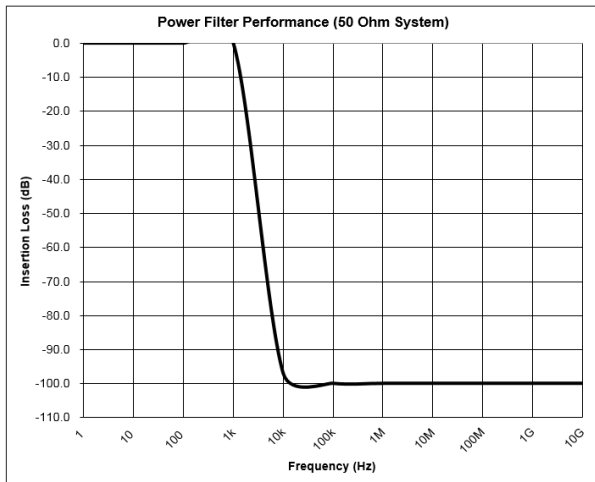
These EMI/RFI Power Line Filters are used to block unwanted signals and remove interference from entering or exiting through power lines for shielded rooms, SCIFS, screen rooms and many other forms of Faraday cages. It provides 100 dB protection against EMI interference from 14 kHz ~ 18 GHz.





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

Filter(s)

- Factory pre-wired clean output lead provided through the pipe penetration
- 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
- All circuits provided in single enclosure
- Discharge resistors incorporated to eliminate potential shock hazard

Enclosure

- Fabricated case of not less than 18 gauge cold rolled steel electro plated or painted Gray (Std. Paint Color)
- Sealed with welded and soldered seams for minimum shielding effectiveness 100 dB, 14 kHz to 18 GHz
- Threaded steel pipe penetration
- Double knock outs provided on filter case input
- Front cover access to input terminals
- Mounting tab provided for easy 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

- MOVs - EMP and Surge Suppressors
- Alternate pipe penetration locations on the enclosure available by request.
- Voltage Indicator Lights
- Ground Wire
- Internal Mounting Flange



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Mechanical Dimensions

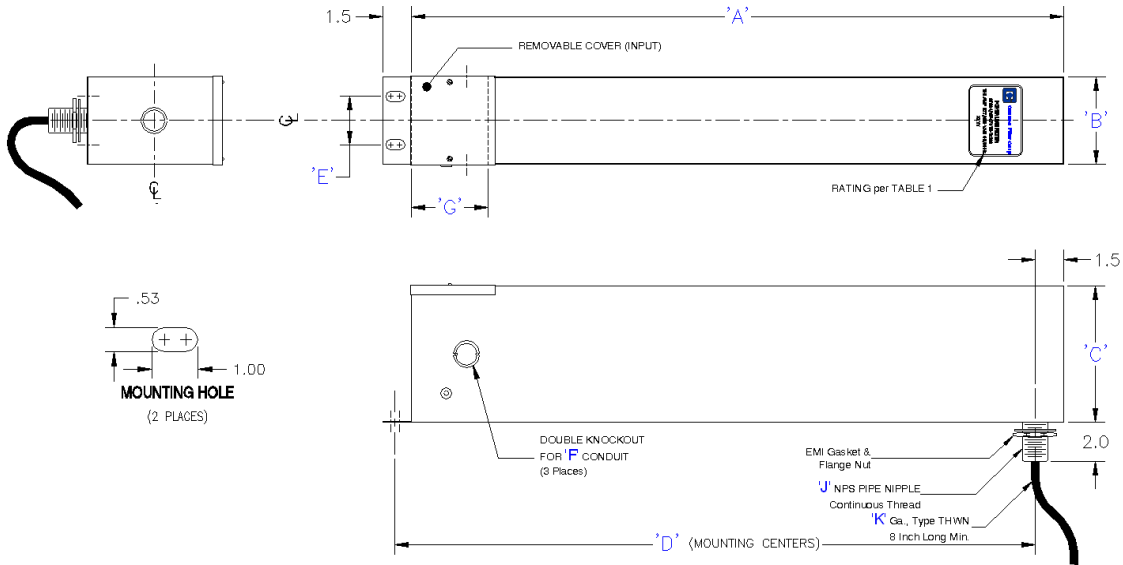


Table 1 Mechanical Dimensions

# of Filters & Max Current Rating	A	B	C	D	E # of holes	F	G	J	K	Approx Weight (lbs)
1x015	22	4.5	6	21.25	2	1 - 1¼	4	1	#10 THWN	30
1x030	26	4.5	6	25.25	2	1 - 1¼	4	1	#8 THWN	35
1x060	32	5	6	31.25	2	1 - 1¼	4	1	#6 THWN	50
1x100	32	5	6	31.25	2	1 - 1¼	4	1	#2 THWN	50
1x150	41	6	8	40.25	2	1 - 1¼	6	1	1/0 WELD	85
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
2x015	22	8	6	21.25	2	1 - 1¼	4	1	#10 THWN	40
2x030	26	8	6	25.25	2	1 - 1¼	4	1	#8 THWN	45
2x060	32	10	6	31.25	3	1 - 1¼	4	1	#6 THWN	100
2x100	32	10	6	31.25	3	1 - 1¼	4	1	#2 THWN	100
2x150	41	11	8	31.25	3	1¼ - 1½	6	1¼	1/0 WELD	125
3x015	22	11	6	21.25	3	1 - 1¼	4	1	#10 THWN	55
3x030	26	11	6	25.25	3	1 - 1¼	4	1	#8 THWN	55
3x060	32	15	6	31.25	3	1 - 1¼	4	1	#6 THWN	75
3x100	32	15	6	31.25	3	1 - 1¼	4	1	#2 THWN	75
4x015	22	14	6	21.25	3	1 - 1¼	4	1	#10 THWN	70
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



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