

# SPGA Series

Super Performance General Application Line Filter



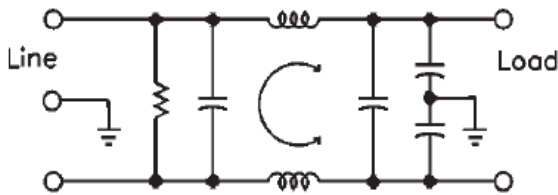
UL File No. E62459  
CSA File No. LR49272



## Applications

The super-performance, general application filters (SPGA series) have significantly higher low frequency performance than the standard GA series. These filters are designed to provide greater reduction of conducted noise below 1MHz.

## Electrical Schematic



## How to define a part number:

**SPGA**

Series

**1**

Case Style

**B**

Schematic

**-**

**3**

Current Rating

## Specifications

<b>Voltage rating:</b>	115/250 VAC
<b>Line frequency:</b>	50/60 Hz
<b>Leakage current:*</b> (line-to-ground)	0.50 mA maximum at 115 V, 60 Hz 1.00 mA maximum at 250 V, 50 Hz
<b>Test voltage:</b>	Line to ground, 2250 VDC Line to line, 1450 VDC
<b>Over Load Test:</b>	6x rated current for 8 secs
<b>Insulation Res:</b>	6000megaohms at 100 VDC

\* Low leakage current models (<0.5ma@250VAC / 50Hz) may be ordered by adding the prefix "L", e.g. LSPGA1B-3.

## Common Mode

Current Rating	Frequency (MHz)										
	.01	.02	.05	.10	.15	.5	1	5	10	20	30
3 A	4	8	18	25	29	43	44	42	42	38	30
6 A	4	8	18	25	29	43	44	42	42	38	30
10 A	4	8	18	25	29	43	44	42	42	38	30

## Differential Mode

Current Rating	Frequency (MHz)										
	.01	.02	.05	.10	.15	.5	1	5	10	20	30
3 A	1	1	2	10	25	59	65	62	40	40	40
6 A	1	1	2	10	25	59	65	62	40	40	40
10 A	1	1	2	10	25	59	65	62	40	40	40

Minimum Insertion loss in 50 ohm system per MIL-STD-220A

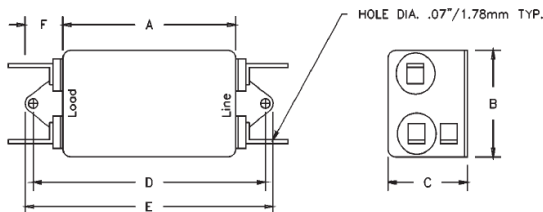
# SPGA Series

## Ordering Information

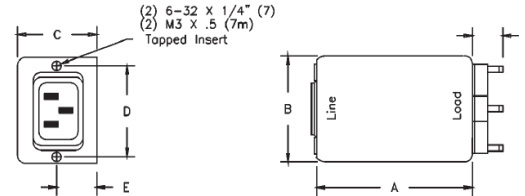
Current Rating	Part Number	Dimensions (mm)				
		A	B	C	D	E
3	SPGA1B-3	63.5	50.8	28.7	74.68	84.32
	SPGA2B-3	63.5	50.8	28.7	74.68	84.32
	SPGA3B-3	63.5	50.8	28.7	74.68	84.32
	SPGA7B-3*	63.5	50.8	44.45	40.0	16.0
	SPGA8B-3*	63.5	50.8	44.45	40.0	16.0
6	SPGA1B-6	76.2	55.63	31.75	87.12	95.52
	SPGA2B-6	76.2	55.63	31.75	87.12	95.52
	SPGA3B-6	76.2	55.63	31.75	87.12	95.52
	SPGA7B-6*	76.2	55.63	31.75	40.0	16.0
	SPGA8B-6*	76.2	55.63	31.75	40.0	16.0
10	SPGA1B-10	92.2	55.63	44.45	103.12	112.78
	SPGA2B-10	92.2	55.63	44.45	103.12	112.78
	SPGA3B-10	92.2	55.63	44.45	103.12	112.78
	SPGA7B-10*	92.2	55.63	44.45	40.0	16.0
	SPGA8B-10*	92.2	55.63	44.45	40.0	16.0

\* To designate metric versions, add the letter "M" after the letter B, eg: SPGA7BM-6  
 Connections are 0.250 Tab Terminals which extend 14.73mm.  
 18-Gauge wire leads extend 107.95mm  
 Mounting Hole Diameters are 4.78mm

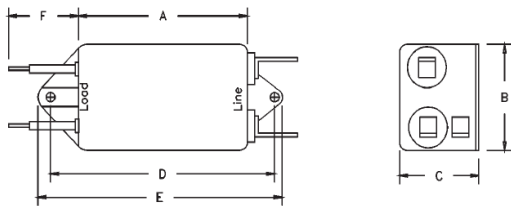
### Style 1:



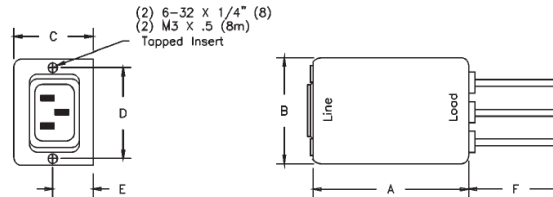
### Style 7 or 7M (metric):



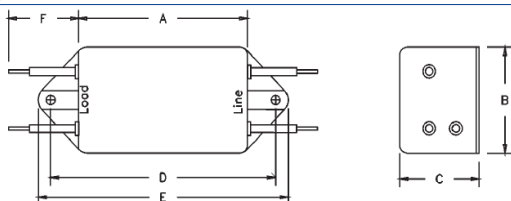
### Style 2:



### Style 8 or 8M (metric):



### Style 3:



### Panel Cutout:

