PC Board Mountable
General Purpose RFI Filters

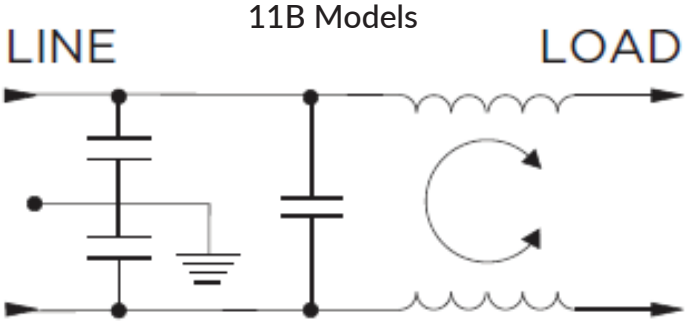
AMI-B11B/C Series

Metal Enclosure Single Phase Single Stage Series

AMI Designation	Input/output Style	Current Rating	Inductance	Capacitance		Resistor	Leakage Current @ 120 VAC 60Hz/250 VAC 50 Hz	TIL	Case Style
			mH	Cx	Cy	KΩ			
Available Part Numbers	PCBA Style			nF	pF		mA		
AMI-B11B-13-1-B	13	1	10	47	2200	0	0.13/0.21	001	A
AMI-B11B-13-3-B	13	3	2	47	2200	0	0.13/0.21	002	A
AMI-B11C-13-1-B-1	13	1	10	100	3000	1500	0.22/0.38	003	B
AMI-B11C-13-3-B-1	13	3	2	100	3000	1500	0.22/0.38	004	B
AMI-B11C-13-6-B-1	13	6	0.93	100	3000	1500	0.22/0.38	005	B
AMI-B11C-13-10-B-1	13	10	0.35	100	3000	1500	0.22/0.38	006	B
AMI-B11C-13-1-B-2	13	1	10	22	3000	3300	0.22/0.38	007	B
AMI-B11C-13-3-B-2	13	3	2	22	3000	3300	0.22/0.38	008	B
AMI-B11C-13-6-B-2	13	6	0.93	22	3000	3300	0.22/0.38	009	B
AMI-B11C-13-10-B-2	13	10	0.35	22	3000	3300	0.22/0.38	010	B

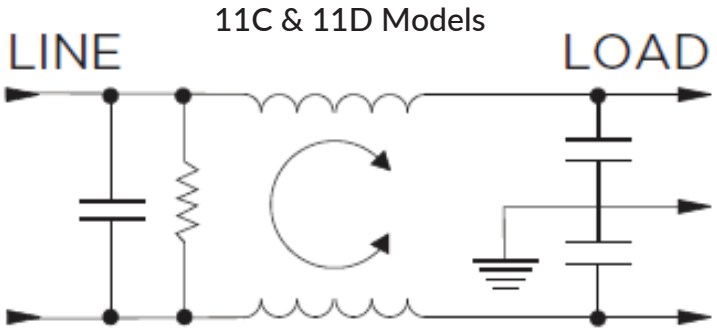
Electrical Schematic

11B Models



PC Board Mountable
General Purpose RFI Filters

Electrical Schematic



Specifications:

- Rated Voltage (max): 250 VAC
- Operating Frequency: 50/60 Hz
- Operating Current: 3 to 10 A
- Hi-pot Rating (one minute): Line to Ground: 2250 VDC
  Line to Line: 1450 VDC
- Operating Ambient Temperature Range (at rated current Ir): -10°C to +40°C. In an ambient temperature (Ta) higher than +40°C the maximum operating current (Io) is calculated as follows: Io = Ir sqrt [(85-Ta)/45]

ALTRAN MAGNETICS

PC Board Mountable
General Purpose RFI Filters

Minimum Insertion Loss

Measured in closed 50 Ohm system

Common Mode/Asymmetrical (Line to Ground)

	Frequency-MHz					
Current Rating	.15	.5	1	5	10	30
AMI-B11B						
1A	30	40	40	42	45	45
3A	24	29	30	42	45	45
AMI-B11C-13-X-B-2						
1A	32	41	54	54	46	40
3A	18	28	35	41	40	40
6A	10	20	28	37	40	40
10A	5	14	19	27	33	40
AMI-B11C-13-X-B-1						
1A	32	41	54	54	46	40
3A	18	28	35	41	40	40
6A	10	20	28	37	40	40
10A	5	14	19	27	33	40

PC Board Mountable
General Purpose RFI Filters

Minimum Insertion Loss

Measured in closed 50 Ohm system

Differential Mode/Symmetrical (Line to Line)

	Frequency-MHz					
Current Rating	**.15**	**.5**	**1**	**5**	**10**	**30**
AMI-B11B Models						
1A	-	14	25	35	33	25
3A	-	14	15	31	34	25
AMI-B11BB Models						
1A	4	14	42	42	44	38
3A	4	14	24	38	38	38
6A	4	14	22	30	34	34
10A	6	16	22	40	50	45

AMI-B11C Models	**.15**	**.5**	**1**	**2**	**4**	**10**	**20**	**30**
1A	1	6	19	39	48	52	38	35
3A	1	4	9	9	28	41	36	35
6A	1	4	9	9	40	40	42	35
10A	1	4	9	9	14	35	42	35

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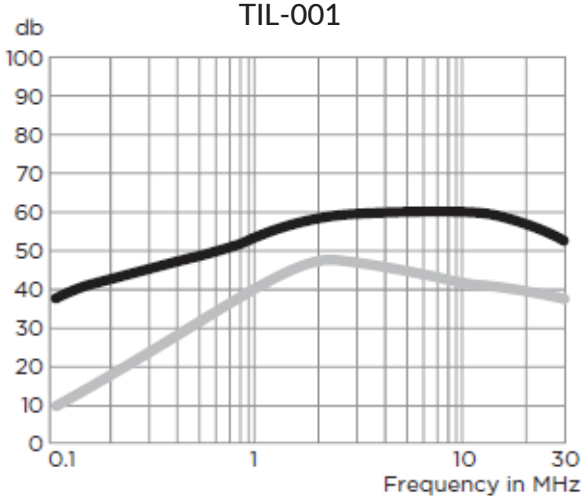
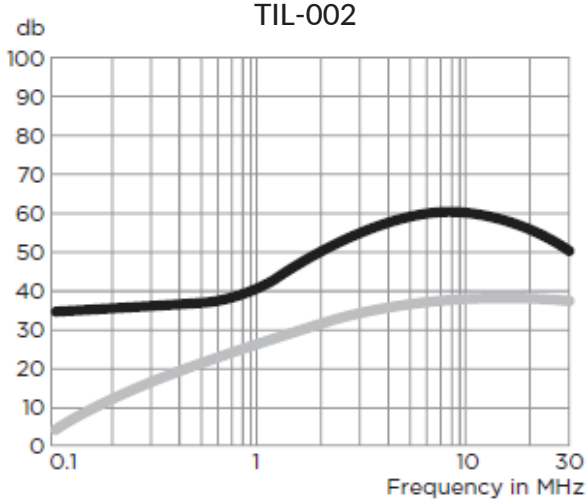
PC Board Mountable
General Purpose RFI Filters

Performance Data
Typical Insertion Loss

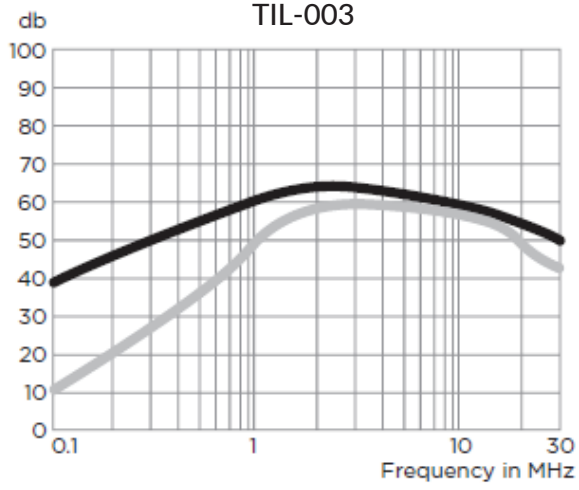
TIL-001



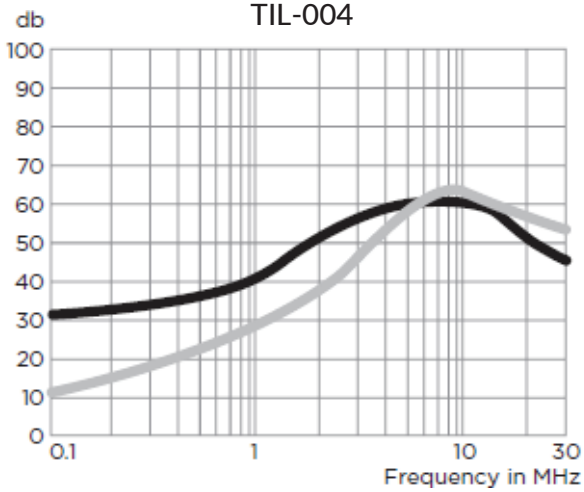
TIL-002



TIL-003



TIL-004



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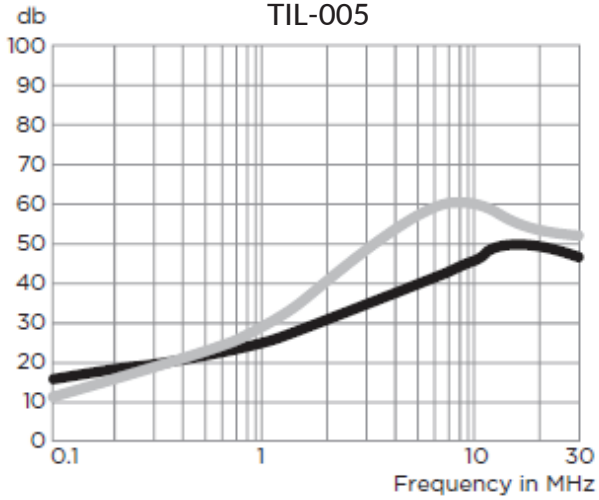
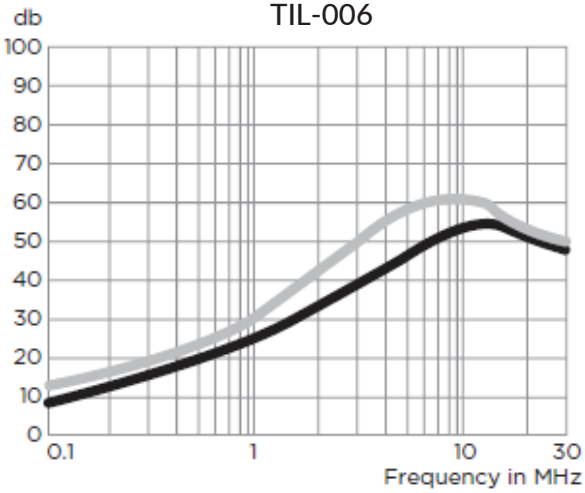
PC Board Mountable
General Purpose RFI Filters

Performance Data
Typical Insertion Loss

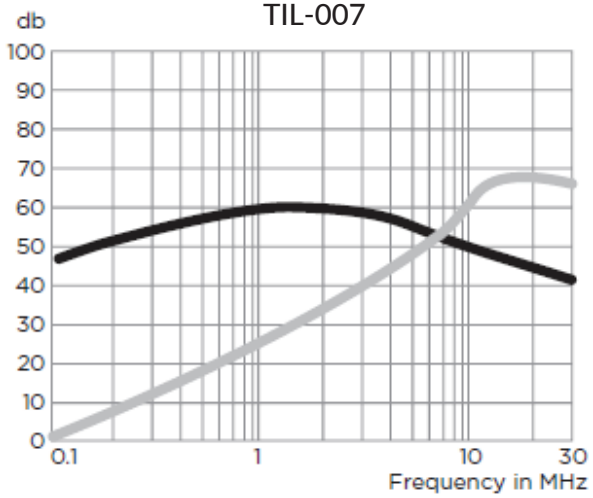
TIL-005



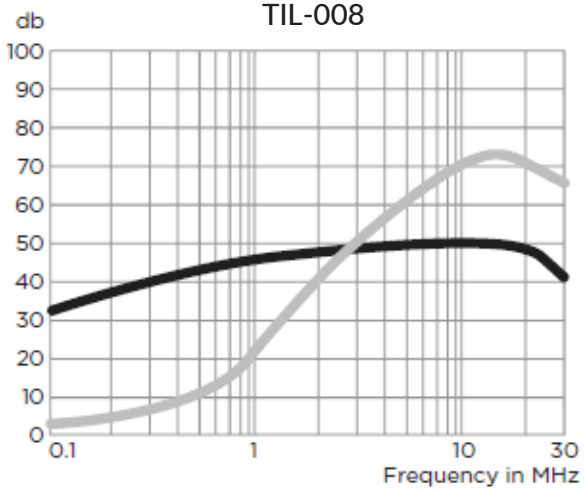
TIL-006



TIL-007



TIL-008



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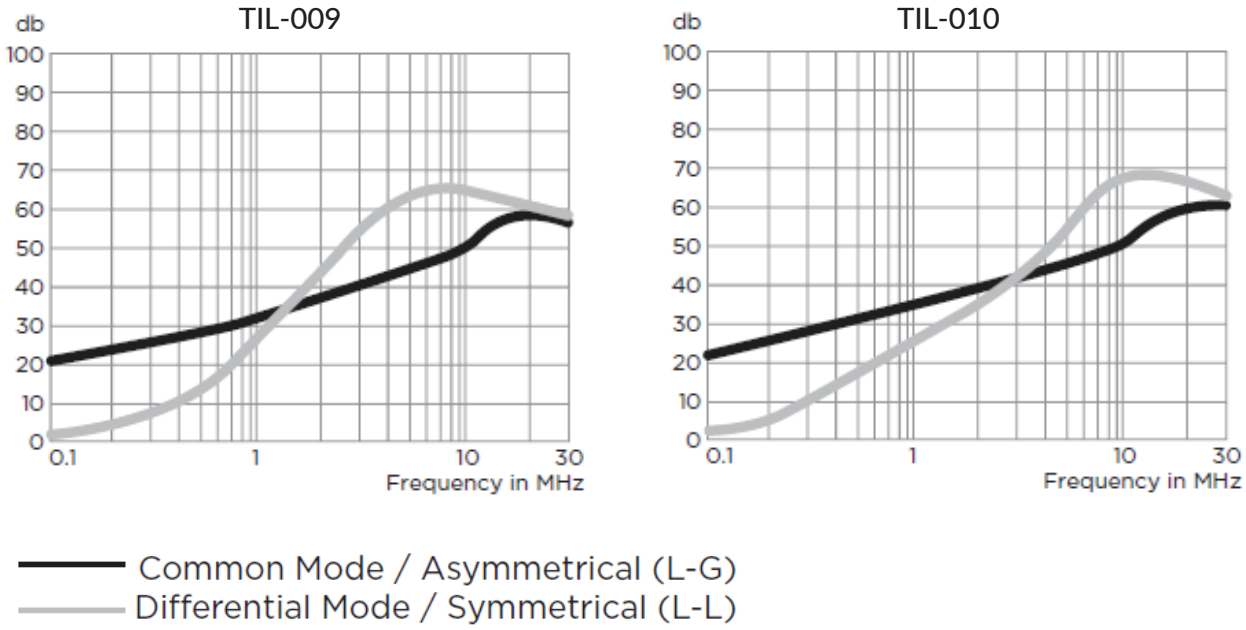
PC Board Mountable
General Purpose RFI Filters

Performance Data
Typical Insertion Loss



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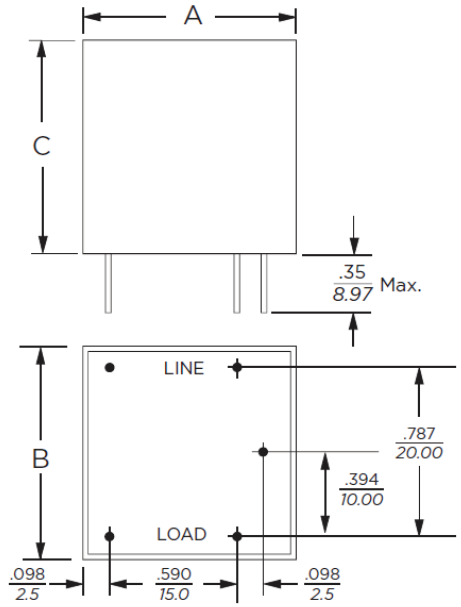
PC Board Mountable
General Purpose RFI Filters

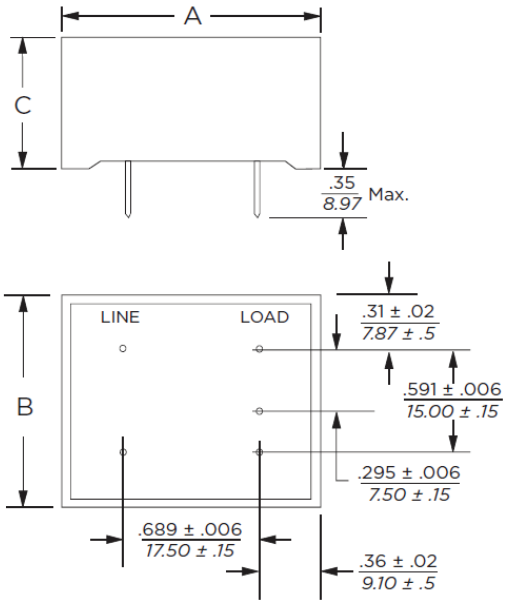
Case Styles

STYLE A



Typical Dimensions:
Pins (5): 0.025 [0.635] square

STYLE B



Typical Dimensions:
Pins (5): 0.025 [0.635] square

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PC Board Mountable
General Purpose RFI Filters

Mechanical Dimensions:

Model Number	A max	B max	C max
AMI-B11B-13-X-B	0.984”/25.0mm	0.984”/25.0mm	0.984”/25.0mm
AMI-B11C-13-X-B	1.44”/36.6mm	1.24”/31.5mm	0.95”/24.15mm
AMI-B11BB-13-X-B	1.44”/36.6mm	1.24”/31.5mm	0.78”/19.9mm

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