

Chassis or PC Board Mountable Power Line Filters



AMI-B11AW/M11W Series

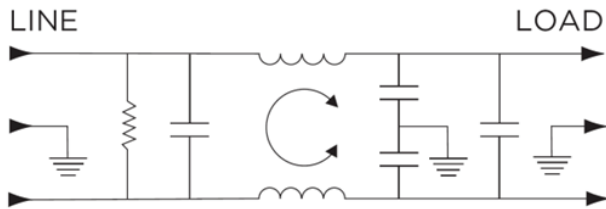
Metal Enclosure Single Phase Single Stage

AMI Designation	Input/output Style		Current Rating	Inductance	Capacitance		Resistor	Leakage Current @ 120 VAC 60Hz/250 VAC 50Hz	TIL Insertion Loss	Case Style
					mH	Cx				
Available Part Numbers	6.3mm Spades Terminals	PCBA Style			nF	pF		mA		
AMI-B11AW1-13-3-B	-	13	3	2.3	370	4000	820	0.3/0.5	001	B
AMI-M11W1-1-3-B	1	-	3	2.3	370	4000	820	0.3/0.5	001	A
AMI-B11AW1-13-4-B	-	13	4	2.2	430	4000	560	0.3/0.5	002	B
AMI-B11AW1-13-6-B	-	13	6	1.89	430	4000	560	0.3/0.5	003	B
AMI-B11AW2-13-2-B	-	13	2	5.7	370	4000	820	0.3/0.5	004	B
AMI-B11AW2-13-3-B	-	13	3	9.57	370	4000	820	0.3/0.5	005	B
AMI-B11AW2-13-4-B	-	13	4	4.68	430	4000	560	0.3/0.5	006	B
AMI-B11AW3-13-1-B	-	13	1	21.2	540	4000	560	0.3/0.5	007	B
AMI-B11AW3-13-2-B	-	13	2	21.52	600	4000	330	0.3/0.5	008	B
AMI-B11AW3-13-3-B	-	13	3	13.77	740	4000	330	0.3/0.5	009	B
AMI-M11W3-1-3-B	1	-	3	13.77	740	4000	330	0.3/0.5	009	A

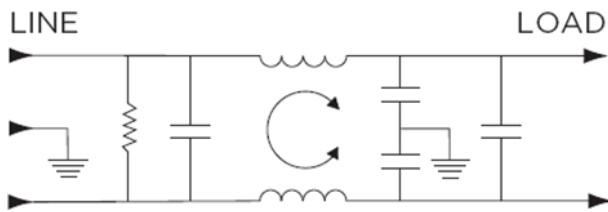
Chassis or PC Board Mountable Power Line Filters

Electrical Schematic

Type 1 PCBA Style - AMI-B11AW



Type 2 6.3mm Spade Terminal - AMI-M11W



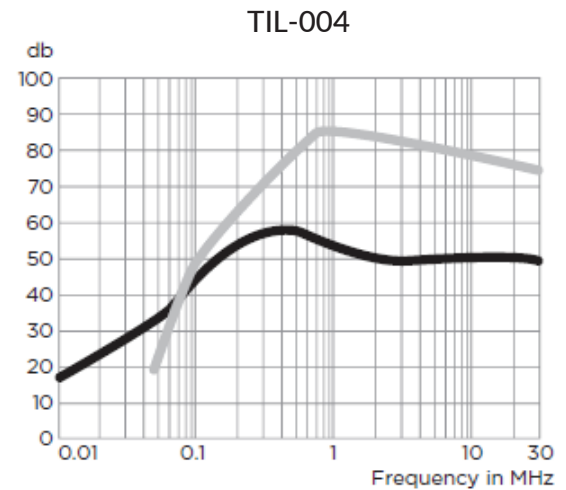
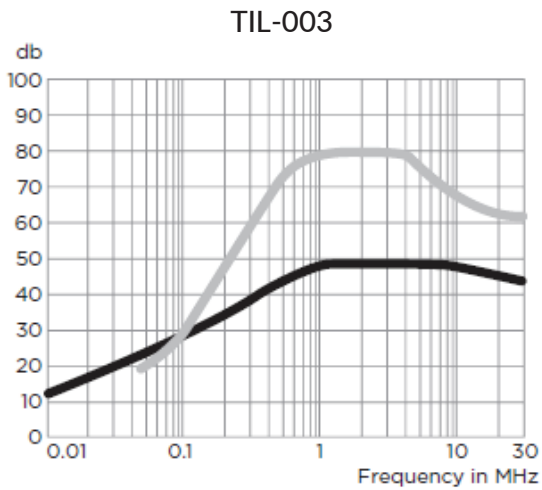
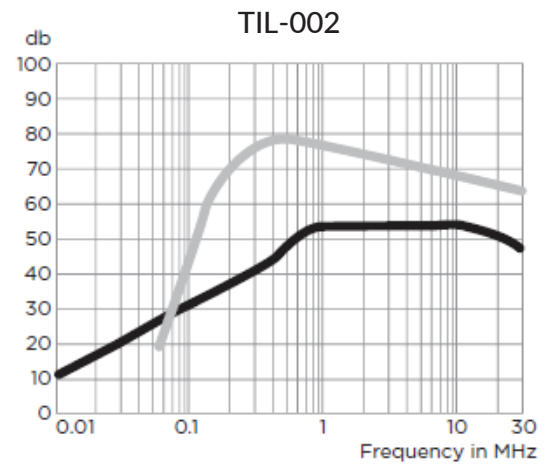
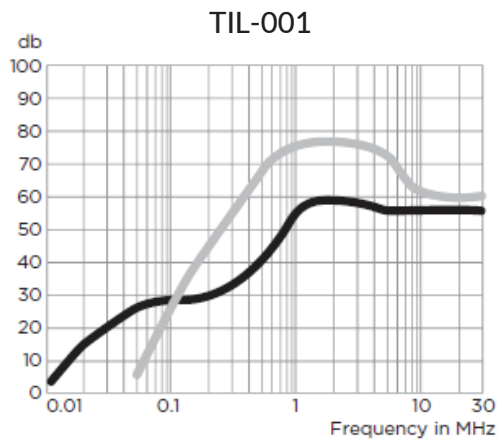
Specifications:

- Rated Voltage (max): 250 VAC
- Operating Frequency: 50/60 Hz
- Operating Current: 1 to 6 A
- Hi-pot Rating (one minute): Line to Ground: 2250 VDC
Line to Line: 1450 VDC
- Operating Ambient Temperature Range (at rated current I_r): -10°C to +40°C. In an ambient temperature (T_a) higher than +40°C the maximum operating current (I_o) is calculated as follows: $I_o = I_r \sqrt{[(85 - T_a)/45]}$

Chassis or PC Board Mountable Power Line Filters

Performance Data Typical Insertion Loss

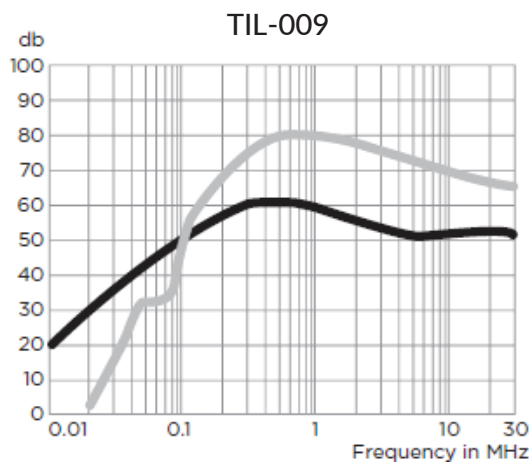
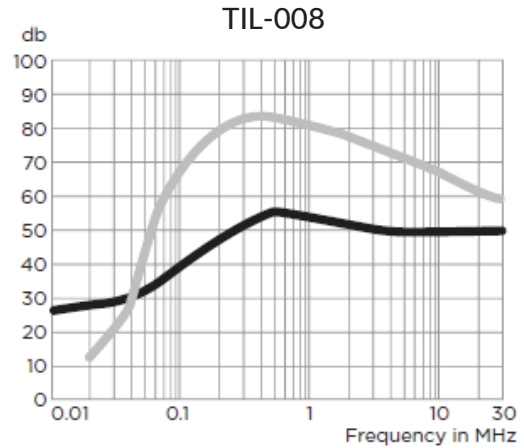
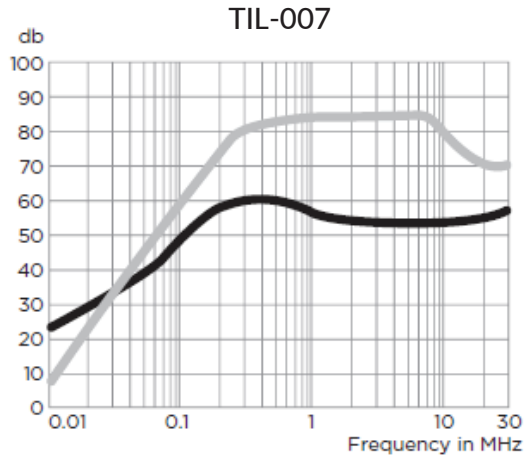
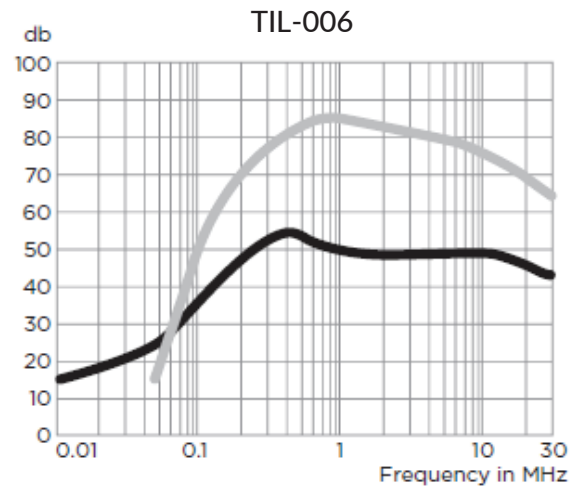
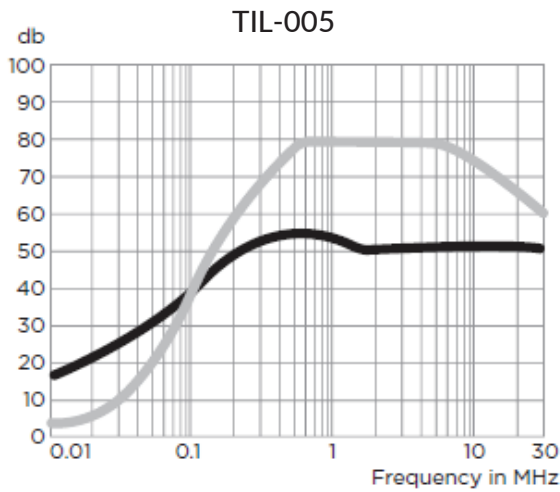
Measured in closed 50 Ohm system



Chassis or PC Board Mountable Power Line Filters

Performance Data Typical Insertion Loss

Measured in closed 50 Ohm system



— Common Mode / Asymmetrical (L-G)
— Differential Mode / Symmetrical (L-L)

Chassis or PC Board Mountable Power Line Filters

Minimum Insertion Loss

Common Mode/Asymmetrical (Line to Ground)

Current Rating	Frequency-MHz							
	.01	.05	.15	.5	1	5	10	30
<i>AMI-B11AW1-X-X-B</i>								
3A	2	13	21	35	46	44	44	44
4A	2	13	22	38	44	44	44	38
6A	2	11	20	35	40	40	40	36
<i>AMI-B11AW2-X-X-B1</i>								
2A	8	21	31	49	44	40	40	40
3A	11	24	36	43	40	40	40	40
4A	5	18	28	45	40	40	40	36
<i>AMI-B11AW3-X-X-B2</i>								
1A	18	32	43	47	44	43	43	45
2A	18	32	45	41	40	40	40	40
3A	15	29	39	43	42	40	40	40

Chassis or PC Board Mountable Power Line Filters

Minimum Insertion Loss

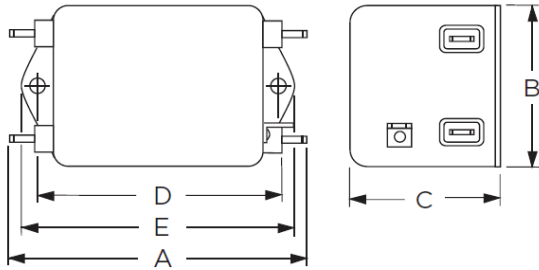
Differential Mode/Symmetrical (Line to Line)

Current Rating	Frequency-MHz									
	.02	.03	.05	.07	.15	.5	1	5	10	30
<i>AMI-B11AW1-X-X-B</i>										
3A	-	-	-	5	34	60	65	60	45	50
4A	-	-	-	10	37	70	70	70	65	55
6A	-	-	-	3	31	65	70	70	65	55
<i>AMI-B11AW2-X-X-B</i>										
2A	-	-	10	19	40	70	75	70	60	55
3A	-	-	10	20	42	68	68	67	62	50
4A	-	-	6	18	41	67	75	70	65	55
<i>AMI-B11AW3-X-X-B</i>										
1A	7	29	34	43	62	70	70	70	60	55
2A	2	15	31	40	57	75	70	65	55	50
3A	-	10	26	34	53	75	75	70	60	55

Chassis or PC Board Mountable Power Line Filters

Case Styles

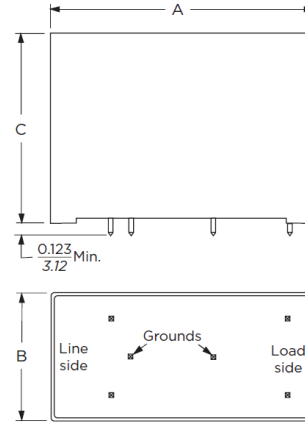
STYLE A



Typical Dimensions:

Line/Load Terminals (4): .250 [6.3] with .07 [1.8] Dia. hole
 Ground Terminal (1): .250 [6.3] with .07 x .16 [1.8 x 3.8] slot
 Mounting Holes (2): .188 [4.78] Dia.

STYLE B



Typical Dimensions:
 Pins (5):

0.065 [1.65] max. diagonal

Case Dimensions:

Model Number	A max	B max	C max	D $\pm \frac{.015}{\pm .38}$	E max
AMI-B11AW1-13-3-B	2.61"/66.3mm	1.13"/28.7mm	1.62"/41.1mm	-	-
AMI-M11W1-1-3-B	3.01"/76.7mm	1.84"/46.8mm	1.16"/29.46mm	2.375"/60.33mm	2.79"/70.87mm
AMI-B11AW1-13-4-B	2.61"/66.3mm	1.13"/28.7mm	1.62"/41.1mm	-	-
AMI-B11AW1-13-6-B	2.61"/66.3mm	1.13"/28.7mm	1.75"/44.5mm	-	-
AMI-B11AW1-13-2-B	2.61"/66.3mm	1.13"/28.7mm	1.75"/44.5mm	-	-
AMI-B11AW2-13-3-B	2.61"/66.3mm	1.13"/28.7mm	1.75"/44.5mm	-	-
AMI-B11AW2-13-4-B	2.61"/66.3mm	1.13"/28.7mm	1.75"/44.5mm	-	-
AMI-B11AW3-13-1-B	2.61"/66.3mm	1.13"/28.7mm	1.75"/44.5mm	-	-
AMI-B11AW3-13-2-B	2.61"/66.3mm	1.13"/28.7mm	1.75"/44.5mm	-	-
AMI-B11AW3-13-3-B	2.61"/66.3mm	1.13"/28.7mm	1.75"/44.5mm	-	-
AMI-M11W3-1-3-B	3.54"/89.9mm	2.08"/52.8mm	1.31"/33.3mm	2.938"/74.63mm	3.35"/85.1mm