

# General Purpose RFI Filters for High Impedance Loads at Low Current

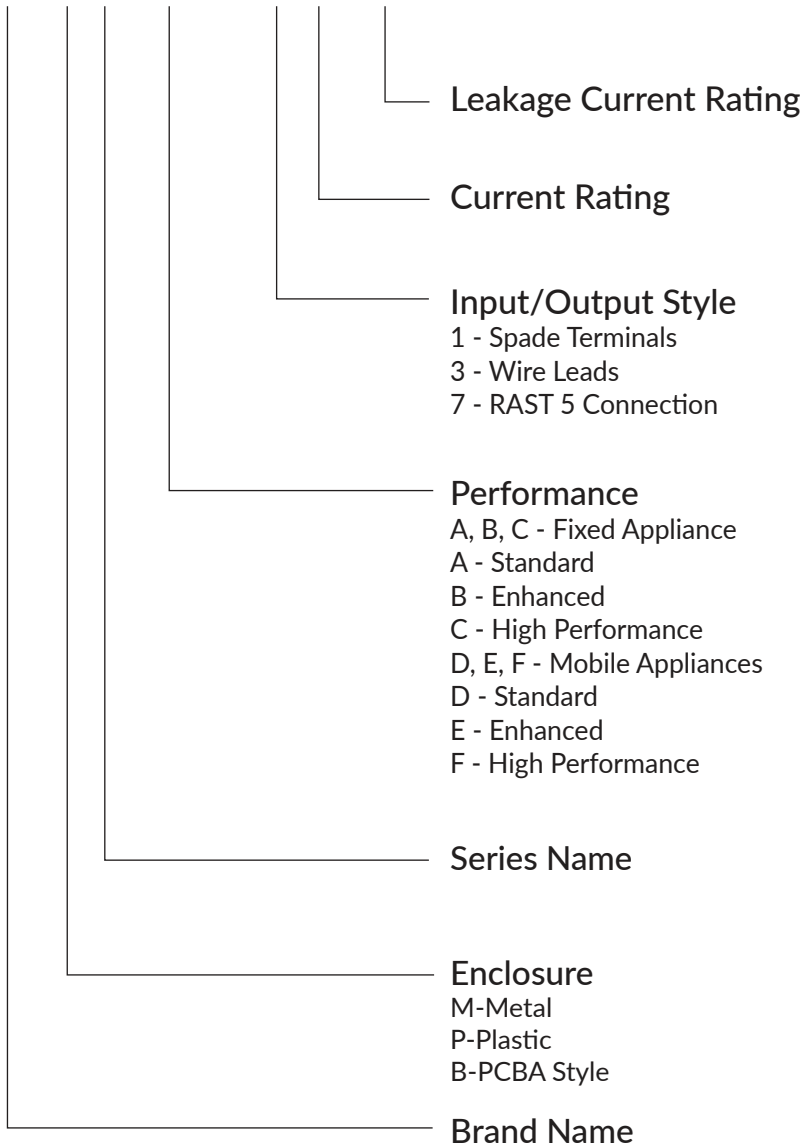


AMI-M11UA/11VA Series

Metal Enclosure Single Phase Single Stage Filters

## Nomenclature

AMI-M11UA/VA-1-16-C/D



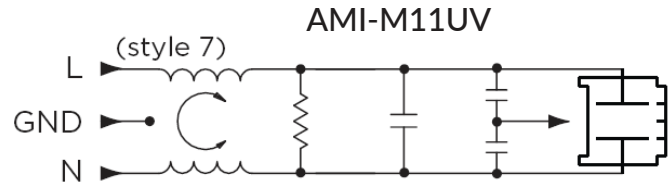
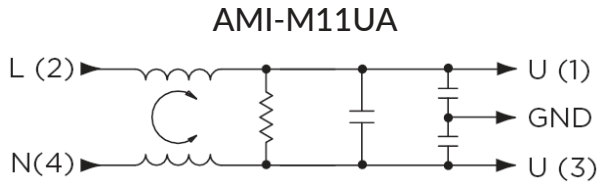
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AMI Designation	Input/output Style			Current Rating	Inductance	Capacitance		Resistor	Leakage Current @ 120 VAC 60Hz/250 VAC 50 Hz	TIL Insertion Loss	Case Style
						mH	Cx				
Available Part Numbers	6.3mm Spade Terminals	Wire Leads	Threaded Bolts			nF	pF		mA		
AMI-M11UA-1-16-C	1	-	-	16	0.54	470	10000	680	0.74/1.25	001	A
AMI-M11UB-1-16-C	1	-	-	16	1.3	470	10000	680	0.74/1.25	002	A
AMI-M11UC-1-16	1	-	-	16	2.1	470	10000	680	0.74/1.25	003	A
AMI-M11UD-1-16-B	1	-	-	16	0.54	470	1000	680	0.10/0.20	004	A
AMI-M11UE-1-16-B	1	-	-	16	1.3	470	1000	680	0.10/0.20	005	A
AMI-M11UF-1-16-B	1	-	-	16	2.1	470	1000	680	0.10/0.20	006	A
AMI-M11UA-3-16-C	-	3	-	16	0.54	470	10000	680	0.74/1.25	001	C
AMI-M11UB-3-16-C	-	3	-	16	1.3	470	10000	680	0.74/1.25	002	C
AMI-M11UC-3-16-C	-	3	-	16	2.1	470	10000	680	0.74/1.25	003	C
AMI-M11UD-3-16-B	-	3	-	16	0.54	470	1000	680	0.10/0.20	004	C
AMI-M11UE-3-16-B	-	3	-	16	1.3	470	1000	680	0.10/0.20	005	C
AMI-M11UF-3-16-B	-	3	-	16	2.1	470	1000	680	0.10/0.20	006	C
AMI-M11VA-7-16-C	-	-	7	16	0.5	470	10000	680	0.74/1.25	001	B
AMI-M11VB-7-16-C	-	-	7	16	1.2	470	10000	680	0.74/1.25	002	B
AMI-M11VC-7-16-C	-	-	7	16	2.0	470	10000	680	0.74/1.25	003	B
AMI-M11VD-7-16-B	-	-	7	16	0.5	470	1000	680	0.10/0.20	004	B
AMI-M11VE-7-16-B	-	-	7	16	1.2	470	1000	680	0.10/0.20	005	B
AMI-M11VF-7-16-B	-	-	7	16	2.0	470	1000	680	0.10/0.20	006	B

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## Electrical Schematics:



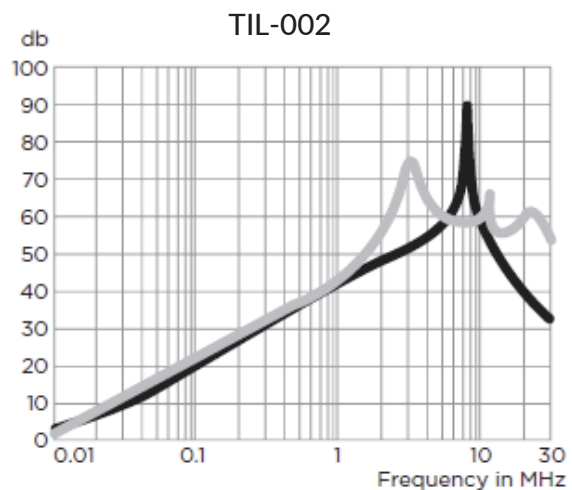
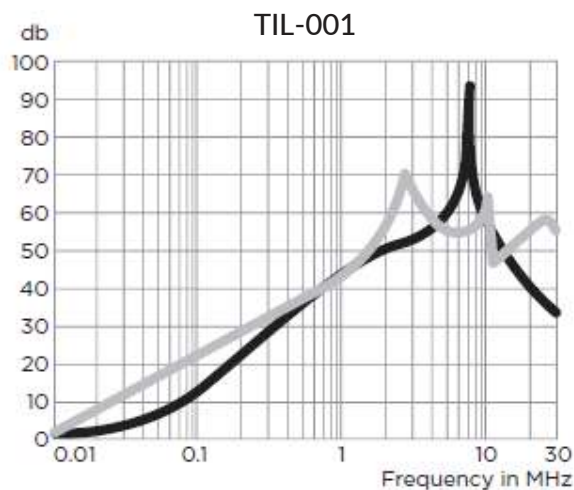
## Specifications:

- Rated Voltage (max): 250 VAC
- Operating Frequency: 50/60 Hz
- Operating Current: 16A
- 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:  $I_o = I_r \sqrt{[(85-T_a)/45]}$

## Performance Data

### Typical Insertion Loss

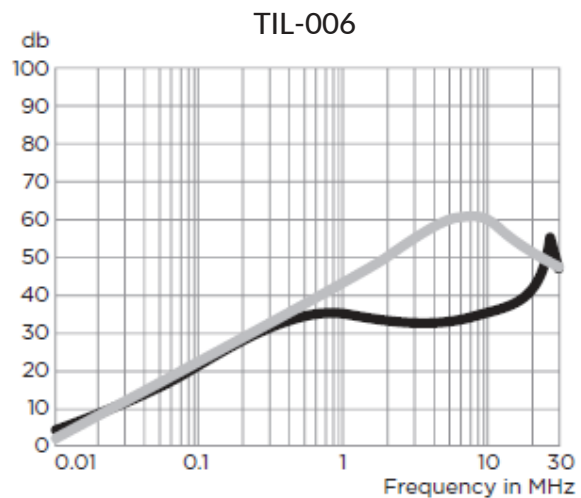
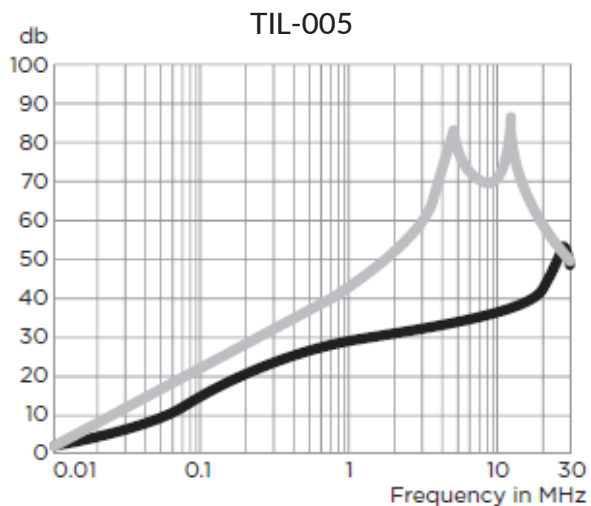
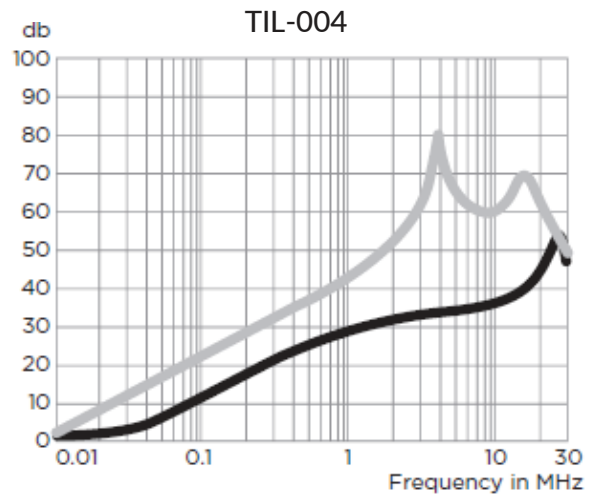
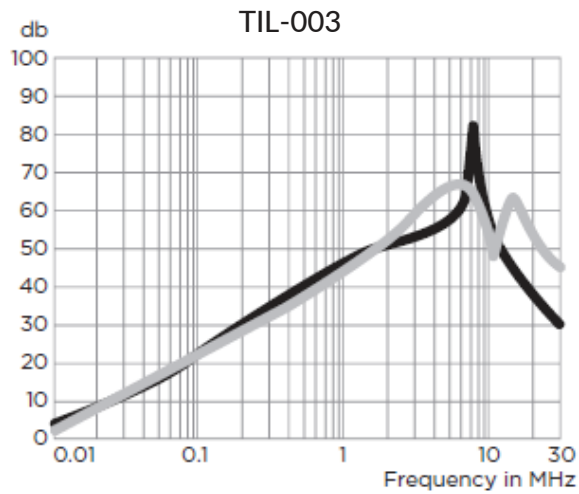
Measured in closed 50 Ohm system



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## Performance Data Typical Insertion Loss

Measured in closed 50 Ohm system



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

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## Minimum Insertion Loss

Measured in closed 50 Ohm system

### Common Mode/Asymmetrical (Line to Ground)

Model Number	Frequency-MHz									
	.05	.10	.15	.5	1	2	5	10	20	30
AMI-M11UA/M11VA	3	10	14	33	41	47	54	50	37	30
AMI-M11UB/M11VB	11	16	21	33	39	44	53	55	37	30
AMI-M11UC/M11VC	12	18	22	34	41	46	51	52	34	27
AMI-M11UD/M11VD	3	8	11	22	26	31	31	33	40	44
AMI-M11UE/M11VE	5	12	15	21	23	25	31	32	37	45
AMI-M11UF/M11VF	9	14	18	24	26	28	31	32	37	44

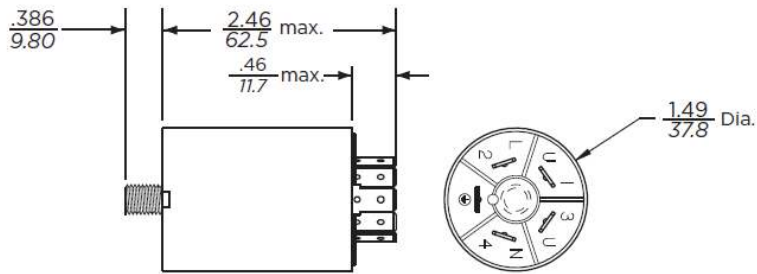
### Differential Mode/Symmetrical (Line to Line)

Model Number	Frequency-MHz									
	.05	.10	.15	.5	1	2	5	10	20	30
AMI-M11UA	14	19	22	33	41	51	47	42	48	50
AMI-M11UB	14	19	22	33	41	51	50	45	52	45
AMI-M11UC	13	19	22	33	40	50	58	42	48	42
AMI-M11UD	13	19	22	33	40	48	58	57	54	45
AMI-M11UE	13	19	22	33	40	48	58	57	51	45
AMI-M11UF	13	19	22	33	40	49	58	59	50	44

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## Case Styles

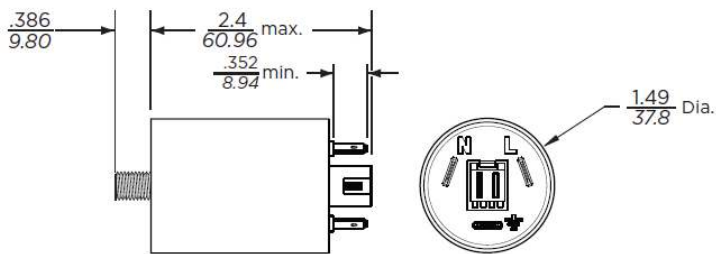
### STYLE A



Typical Dimensions:

Terminals (5):	.25 [6.3] with .07 [1.8] Dia. hole
Mounting Stud (1):	M8 x 1.25

### STYLE B

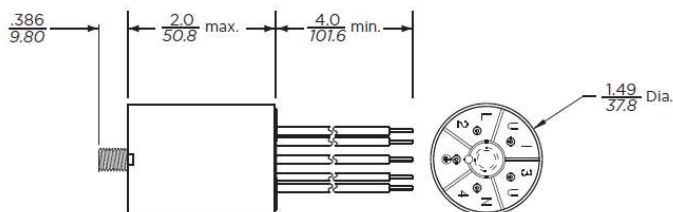


Typical Dimensions:

Terminals (3):	.25 [6.3] with .07 [1.8] Dia. hole
RAST 5:	Unkeyed RAST 5 Header interface*
Mounting Stud (1):	M8 x 1.25

\*The RAST 5 interface mates with any two-position (keyed or unkeyed) TE Standard Power Timer connector or RAST 5 Positive Lock Mark III connector

### STYLE C



Typical Dimensions:

Wire Leads(5):	4.0 [101.6] min. 18AWG UL 1015
Mounting Stud (1):	M8 x 1.25

Wire Colors:

L(2)	Brown
N(4)	Blue
U(1)	Brown
Gnd	Green / Yellow
U(3)	Blue