

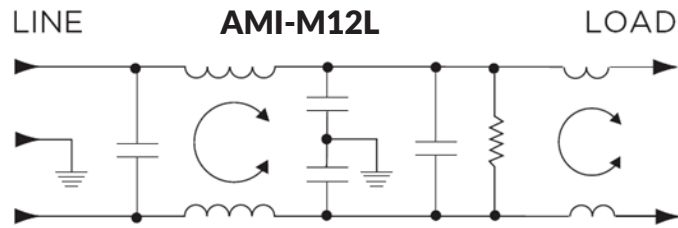
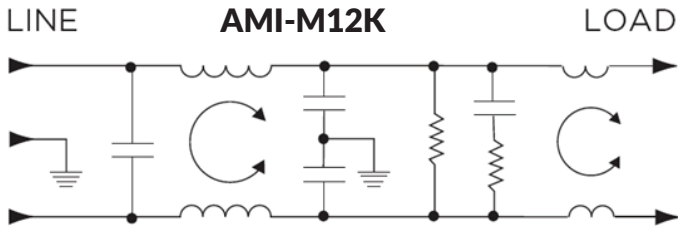
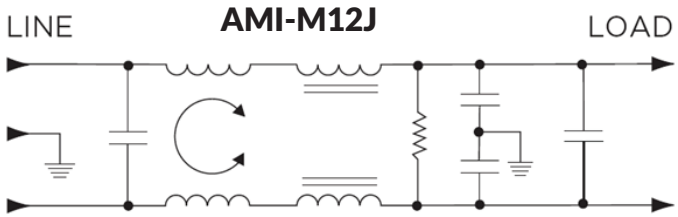
### Features

- General purpose filtering
- High CM & DM attenuation
- Rated up to 20A
- Choice of termination & Earth Leakage

### Applications

- Electrical and Electronic equipment
- Consumer goods
- Home appliances
- Office equipment

### Typical Circuit Diagram



### Approvals & Compliances



### Technical Specifications

Maximum Continuous Operating Voltage	250 VAC Max
Operating Frequency	50/60Hz
Rated Current	3 to 20A @40°C
Temperature range	-10°C to +40°C
High Potential Test Voltage	Line to Ground: 2250 VDC Line to Line: 1450 VDC

## Selection Table

AMI Designation	Input/output Style		Current Rating	Inductance	Capacitance		Resistor	Leakage Current @ 120 VAC 60Hz/250 VAC 50 Hz	TIL Insertion Loss	Case Style
					Cx	Cy				
Available Part Numbers	6.3mm Spade Terminals	Wire Leads	A	mH	nF	pF	KΩ	mA		
					AMI-M12J-1-3-B	1				
AMI-M12J-3-3-B	-	3	3	32.18	940	3000	270	0.22/0.38	002	B
AMI-M12J-1-3-C	1	-	3	32.18	940	10000	270	0.73/1.27	001	A
AMI-M12J-3-3-C	-	3	3	32.18	940	10000	270	0.73/1.27	001	B
AMI-M12K-1-6-B	1	-	6	48.8	1970	4000	165	0.22/0.38	003	A
AMI-M12K-3-6-B	-	3	6	48.8	1970	4000	165	0.22/0.38	003	B
AMI-M12L-1-20-B	1	-	20	6.0	4400	2800	73.3	0.22/0.38	005	A
AMI-M12L-1-20-C	1	-	20	6.0	4400	10000	73.3	0.73/1.27	004	A

## Case Styles

**STYLE A**

3, 20A Models

6A Models

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**

3A Models

6A Models

Typical Dimensions:  
 Wire Leads (5): 4.0 [101.6] Min., 18AWG  
 Mounting Holes (2): .188 [4.78] Dia.

## Mechanical Dimensions:

Model Number	A max	B max	C max	D $\frac{\pm .15}{\pm .38}$	E max
AMI-M12J-1-3	3.85"/97.8mm	2.07"/52.6mm	1.78"/45.2mm	2.938"/74.6mm	3.34"/84.8mm
AMI-M12J-3-3	2.56"/65.0mm	2.07"/52.6mm	1.78"/45.2mm	2.938"/74.6mm	3.34"/84.8mm
AMI-M12K-1-6	4.98"/126.5mm	2.27"/57.7mm	1.80"/45.7mm	4.063"/103.2mm	4.47"/113.5mm
AMI-M12K-3-6	3.69"/93.7mm	2.27"/57.7mm	1.80"/45.7mm	4.063"/103.2mm	4.47"/113.5mm
AMI-M12L-1-20	6.66"/168.1mm	2.07"/52.6mm	2.28"/57.9mm	5.625"/142.9mm	6.03"/153.2mm*

## Typical Insertion Loss

According to CISPR17 in 50 Ω system

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

