



# EMI FILTER DIVISION

## *QUICK REFERENCE GUIDE*

Manufacture of EMI Filter Technology



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## Power Entry Modules

SERIES	AMI-M11AG/11AH/11AS	AMI-M11X/Y	AMI-M12AK/AL
			

## FEATURES & BENEFITS

	Our cost efficient medium performance power inlet filters with enhanced two element circuit provides good attenuation up to 30MHz	Our dual function power entry module combines a DPST switch and an IEC 60320-1 inlet	Our superior high performance power filters are designed with IEC 60320-1 INLET
	AMI-M11AH models feature minimal leakage current ideal for medical equipment applications	Available In shielded or medical grade filter types	Double three element differential mode circuit attenuates noise up to 1GHz
	AMI-M11AS models provide low leakage current	Two element circuit provides greater attenuation performance	Currents up to 15A with IEC 60320-1 C14 and 20A with IEC 60320-1 C20
	AMI-M11AG models feature snap-in mounting setup	Optional pre-connected line and switch terminals provide reduced OEM wiring time	Termination: spade terminals or wire leads
		Mounting styles include snap-in or flange type	

## TECHNICAL DATA

Voltage Rating	250VAC	250VAC	250VAC
Rated currents	1 to 20A	1,3,6, 10 or <b>20A*</b> <small>*Only for AMI-M11Y Series</small>	1,3,6, 10 or 20A
Leakage current each line to ground @120VAC 60Hz/ 250VAC50Hz	<b>AMI-M11AG models:</b> .22 mA/.38 mA  <b>AMI-M11AH models:</b> 2µA/5µA <b>AMI-M11AS models:</b> .01 mA/.017 mA	<b>AMI-M11Y models:</b> .30 mA/ 50 mA  <b>AMI-M11X models:</b> .30mA/ 50mA	.22mA/ .40mA
Circuit Type	Single stage	Single stage & unfiltered	Dual stage
Mounting Style	Screw and snap-in mounting	Screw and snap-in mounting	Screw and snap-in mounting
Termination Inputs	IEC 60320-1 C14 or C20	IEC 60320-1 C14	IEC 60320-1 C14 or C20
Termination Outputs	.25[6.3] spade terminals, wire leads or PC board pins	.187[4.8] spade terminals or .25[6.3] spade terminals [Available with or without pre-connected switch terminals]	.25[6.3] spade terminals or wire leads

## APPLICATIONS

Good RFI suppression performance for wide range of applications including: <ul style="list-style-type: none"><li>• Home appliances</li><li>• Exercise machines</li><li>• Computing accessories</li></ul>	Good RFI suppression performance for wide range of applications including: <ul style="list-style-type: none"><li>• Network &amp; cabling systems</li><li>• PC power supplies</li><li>• Medical equipment</li></ul>	Performs upgraded functionality in noise attenuation in the high frequency range up to 1GHz for several electronic applications including: <ul style="list-style-type: none"><li>• Plasma &amp; LCD TVs</li><li>• Computing &amp; accessories</li><li>• Instrumentation &amp; measurement</li></ul>
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## Power Entry Modules

SERIES	AMI-M11AB	AMI-M11AA	AMI-M11AC/AD
			

## FEATURES & BENEFITS

	Highest attenuation available with three element differential mode circuit	Enhanced performance provided with accessory IEC 60320-1 C13 filtered outlet	Medium attenuation achieved with two element circuit
	High common mode inductance		Available with an Internal ground circuit inductor to isolate equipment chassis from powerline ground at radio frequencies
	High differential mode capacitance	Allows connection of accessories while filtering noise between a system and the accessory	
	Good attenuation of Line to Ground and Line to Line noise across frequency range		Applicable currents up to 15A
	Several termination options .available	Grounded connection	
		Suitable for international use	

## TECHNICAL DATA

Voltage Rating	250VAC	250VAC	250VAC
Rated currents	1,3,6,or 10A	1,3,6 or 10A	1, 3, 6, 10 or 15A
Leakage current each line to ground @120VAC 60Hz/ 250VAC50Hz	.25mA/ .50mA	.25mA/ .50mA	.22mA/ .38mA
Circuit Type	Single stage	Singte stage	Single stage
Mounting Style	Screw and snap-in mounting	Screw and snap-in mounting	Flange and snap-in mounting
Termination Inputs	IEC 60320-1 C14 or C20	IEC 60320-1 C13	IEC 60320-1 C13
Termination Outputs	.25 [6.3] spade terminals or wire leads	.25[6.3] spade terminals or wire leads	.25[6.3] spade terminals or wire leads

## APPLICATIONS

Good RFI suppression performance for wide range of applications including: <ul style="list-style-type: none"><li>• Network &amp; cabling systems</li><li>• PC power supplies</li><li>• Medical equipment</li></ul>	Performs upgraded functionality in noise attenuation in the high frequency range for several electronic applications including: <ul style="list-style-type: none"><li>• Plasma &amp; LCD TVs</li><li>• Computing &amp; accessories</li><li>• Instrumentation &amp; measurement</li></ul>	Wide band RFI suppression tor applications Including: <ul style="list-style-type: none"><li>• TV/Audio/Video</li><li>• Computing accessories</li><li>• Home appliances</li><li>• Medical equipment</li><li>• Gaming equipment</li></ul>
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## Power Entry Modules

SERIES	AMI-M11AE/AEA/AF/AEF	AMI-M11AI	AMI-M11AN/AM/AO/AP/AQ
			

## FEATURES & BENEFITS

	Compact Single stage EMI fitter with IEC 60320-1 C14 inlet	Compact Single stage EMI filter with IEC 60320-1 C14 inlet	Power entry module with enhanced EMI filter
	Two element circuit provides basic attenuation	Two element circuit provides basic attenuation	Single or dual fuse options available
	Provided with three different terminal configurations	Available with an internal ground-circuit inductor to isolate equipment chassis from power line ground at radio frequencies	Basic attenuation provided with two element circuit
			Available with an internal ground-circuit Inductor
			Multiple termination and mounting styles

## TECHNICAL DATA

Voltage Rating	250VAC	250VAC	250VAC
Rated currents	1,3,6, 10 or 15A	1,3,6 or 15A	1, 3, 6 or 10A
Leakage CURRENT each line to ground @120VAC 60Hz/ 250VAC50Hz	<b>11AE/AEA models:</b> .22mA/ .38mA  <b>11AF/AEF models:</b> 2µA/ 5µA	.21mA/ .36mA	<b>AN/AM/AO/AP models:</b> .25mA/.42mA <b>AQ models:</b> 2µA/ 5µA
Circuit Type	Single stage	Single stage	Single stage
Mounting Style	Screw and snap-in mounting	Screw and snap-in mounting	Screw and snap-in mounting
Termination Inputs	IEC 60320-1 C14	IEC 60320-1 C14	.250[6.3] spade terminals or wire leads
Termination Outputs	.25[6.3] spade terminals or wire leads	.25[6.3] spade terminals or wire leads	.250[6.3] spade terminals or wire leads

## APPLICATIONS

Good RFI suppression performance for wide range of applications Including: <ul style="list-style-type: none"><li>Entertainment gadgets</li><li>Network &amp; cabling systems</li><li>PC power supplies</li><li>Medical equipment</li></ul>	Wide band RFI suppression for applications with limited space including: <ul style="list-style-type: none"><li>TV/Audio/Video</li><li>Computing &amp; PC powers supplies</li><li>Network &amp; cable systems</li><li>Medical equipment</li></ul>	Wide band RFI suppression tor numerous applications including: <ul style="list-style-type: none"><li>TV/Audio/Video</li><li>Computing &amp; accessories</li><li>Home appliances</li><li>Medical equipment</li></ul>
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## Power Entry Modules

SERIESAMI-M11AR



## FEATURES & BENEFITS

Minimal leakage current  
suitable for medical devices

Provided with internal ground  
circuit inductor to isolate  
equipment chassis from power  
line ground at radio frequencies

Basic EMI attenuation achievable  
with two element circuit

Flange mounting style available

## TECHNICAL DATA

Voltage Rating	250VAC
Rated currents	3, 6, 10 or 15A
Leakage CURRENT each line to ground @120VAC 60Hz/ 250VAC50Hz	2μA/ 5μA
Circuit Type	Single stage
Mounting Style	Chassis mount
Termination Inputs	.250 [6.31] spade terminals or wire leads
Termination Outputs	.250 [6.3] spade terminals or wire leads

## APPLICATIONS

- Wide band RFI suppression  
for applications with limited  
space including:
- TV/Audio/Video
  - Computing & PC powers  
supplies
  - Network & cable systems
  - Medical equipment



Power Line Filters

SERIES	AMI-M11H	AM I-M11J/11K/11L/11M		AMI-M11D
				

FEATURES & BENEFITS

	<p>Our high impedance RFI filters provide wide range applications due to their compactness and low cost</p> <p>Designed with multiple terminations including spade terminals, wire leads &amp; threaded bolt</p>	<p>Our high impedance load RFI power line filters are Ideal for pulsed, continuous and/or intermittent RFI applications</p> <p>Choke options available</p>	<p>Our enhanced cost efficient design RFI line filters provide high performance line to line attenuation</p>
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TECHNICAL DATA

Voltage Rating	Max : 250 VAC	Max: 250VAC	Max: 250 VAC
Rated currents	1, 2, 3, 5, 10, 20 or 30A	1, 2, 3, 5, 10, 20, 30, 40 or 60A	1, 3, 6, 10 or 20A
Leakage CURRENT each line to ground @120VAC 60Hz/ 250VAC50Hz	<b>AMI-M11H models:</b> 2μA/ 5μA	<b>AMI-M11J/K/L/M (B-1) models:</b> .5mA/ 1.0mA  <b>AMI-M11J/K/L/M (B-2) models:</b> .21 mA / .36mA	<b>AMI-M11D (B-1) models:</b> .4mA/ .7 mA  <b>AMI-M11D (B-2) models:</b> .22mA / .38 mA
Circuit Type	Single stage	Single stage	Single stage
Mounting Style	Screw mounting	Screw mounting (flange or panel)	Screw mounting
Termination Inputs	.23[6.3] spade terminals, 8-32 terminal bolt & nut or wire leads	.25 [6.3] spade terminals, 8-32 terminal bolt & nut, wire leads or IEC 60320-1 C14 or C20	.25 [6.3] spade terminals, 8-32 terminal bolt & nut or wire leads
Termination Outputs	.25[6.3] spade terminals, 8-32 terminal bolt & nut or wire leads	.25 [6.3] spade terminals, 8-32 terminal bolt & nut or wire leads	.25[6.3] spade terminals. 8-32 terminal bolt & nut or wire leads

APPLICATIONS

	<ul style="list-style-type: none"><li>• Medical accessories</li><li>• Residential appliances</li><li>• Battery charging systems</li></ul>	<ul style="list-style-type: none"><li>• Residential appliances</li><li>• Medical accessories</li><li>• Home appliances</li><li>• Test measuring devices</li></ul>	<ul style="list-style-type: none"><li>• Residential appliances</li><li>• Medical accessories</li><li>• Computing &amp; accessories</li></ul>
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Power Line Filters

SERIES	AMI-M12R/12S	AMI-B11AW/M11W	AMI-M12T/U/V & AMI-M12Z/AA/AB/AC
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FEATURES & BENEFITS

<p>Our specially designed Dual T section RFI filter are suited for noisy environments</p> <p>Ideal for pulsed, continuous and/or intermittent interference</p> <p>Ensures low leakage current without affecting insertion loss</p>	<p>Our high performance power line filters are designed with compact chassis arrangement, for easy mounting</p> <p>Provides excellent filtering solution in minimal size</p> <p>Ideal for emission control applications</p>	<p>Our wide range application power line RFI filters are exclusively designed for emission control in equipment utilizing SCR and T2L circuits</p> <p>12C series provide low impedance frequencies, 12B series provide for high impedance frequencies</p>
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TECHNICAL DATA

Voltage Rating	Max: 250 VAC	Max: 250VAC	Max: 250 VAC
Rated currents	1, 2, 3, 5, 10 or 20A	1, 2, 3, 4 or 6A	3, 6, 10, 20 & 60A (60A S series only)
Leakage CURRENT each line to ground @120VAC 60Hz/ 250VAC50Hz	<p><b>AMI-M12R/S (B-1) models:</b></p> <p>.4 mA/ .7 mA</p> <p><b>AMI-M12R/S (B-2) models:</b></p> <p>.21 mA / .36 mA</p>	<p>.3 mA/ .5mA</p>	<p>.4 mA / .7 mA <b>(12T/U/V series 3-10A)</b></p> <p>.75 mA / 1.25 mA <b>(12T/U/V series 60A)</b></p> <p>.5 mA / .82 mA <b>(12Z/AA/AB/AC series)</b></p>
Circuit Type	Dual stage	Singte stage	Dual stage
Mounting Style	Screw mounting (flange or panel)	Scew mount or PC board pins	Screw mounting
Termination Inputs	.24[6.3] spade terminals, 8-32 terminal bolt & nut, wire leads	.25 [6.3] spade terminals or PCB pins .065[1.65] diagonal	.25 [6.3] spade terminals, or terminal bolt & nut
Termination Outputs	.25 [6.3] spade terminals, 8-32 terminal bolt & nut or wire leads	.25 [6.3] spade terminals or PCB pins .065[1.65] diagonal	.25 [6.3] spade terminals, or terminal bolt & nut

APPLICATIONS

<ul style="list-style-type: none"><li>• Security protection devices</li><li>• Industrial equipment &amp; controls</li><li>• Motors</li><li>• Semiconductor actuators</li></ul>	<ul style="list-style-type: none"><li>• Great for space conserving applications</li><li>• Switching power supplies</li><li>• Industrial single phase applications</li></ul>	<ul style="list-style-type: none"><li>• Rodential appliances</li><li>• Medical accessories</li><li>• Computing &amp; accessories</li></ul>
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Power Line Filters

SERIES	AMI-M11E/12D	AMI-M110	AMI-M11P/11Q/11R
			

FEATURES & BENEFITS

<p>Our high performance RFI filters provide upgraded functionality in attenuation performance for most digital electronics equipment</p> <p>Operate at a wide frequency range of 20kHz to 30MHz</p> <p>Cost efficient design</p>	<p>Our RFI line filters provide high performance with space efficient design</p> <p>Low leakage current application filters can be custom designed</p> <p>Filters operating at 30A are comparatively smaller In size</p>	<p>Our RFI line filters are exclusively designed for Switch Mode Power Supply (SMPS) emission control</p> <p>Ensures reduced noise levels in equipment's that comply with FCC/EN specifications</p> <p>Some models are equipped with separate ground circuit inductor</p>
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TECHNICAL DATA

Voltage Rating	Max: 250VAC	250VAC	250 VAC
Rated currents	6 & 10A	6, 10, 20 & 30A	3, 6, 10, 20, 30 & 40A
Leakage CURRENT each line to ground @120VAC 60Hz/ 250VAC50Hz	<p>.3 mA/ .5 mA: (AMI-M11E/12D-B models)</p> <p>1.2 mA/2.0 mA: (AMI-M11E/12D-D models)</p>	<p>.22 mA / .36 mA: (AMI-M110-B models)</p> <p>.75 mA / 1.25 mA: (AMI-M110-C/D models)</p>	<p>.4 mA/ .7 mA: (3-10A AMI-M11P/R (B-1) models: .21 mA / .36 mA: (3-10A AMI-M11P/R (B-2/C) models: .75 mA / 1.25 mA: (20-40A AMI-M11P/Q (C) models: .3 mA / .5 mA: (20-40A AMI-M11P/Q (B) models:</p>
Circuit Type	Single and Dual stage	Single stage	Single stage
Mounting Style	Screw mounting	Screw mounting	Screw mounting (flange or panel)
Termination Inputs	.25 [6.3] spade terminals	.25 [6.3] spade terminals or 8-32 terminal bolt & nut	.25 [6.3] spade terminals, terminal bolt & nut, wire leads or IEC 60320-1 C14
Termination Outputs	.25 [6.3] spade terminals	.25 [6.3] spade terminals or 8-32 terminal bolt & nut	.25 [6.3] spade terminals, terminal bolt & nut or wire leads

APPLICATIONS

<ul style="list-style-type: none"><li>Switching power supplies</li><li>Industrial single phase applications</li><li>Small machinery</li></ul>	<ul style="list-style-type: none"><li>Residential appliances</li><li>Medical accessories</li><li>Computing &amp; accessories</li></ul>	<ul style="list-style-type: none"><li>Residential appliances</li><li>Medical accessories</li><li>Computing &amp; accessories</li></ul>
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Power Line Filters

SERIES	AMI-M11N	AMI-M12A	AMI-M12J/12K/12L/12M/12N
			

FEATURES & BENEFITS

<p>Our compact power line filters provide significant differential mode performance</p> <p>Ideal for low leakage current applications</p>	<p>Compact dual stage filters are designed for current rating up to 30A</p> <p>Good differential mode attenuation and common mode performance</p> <p>Ideal for switching mode power supplies</p>	<p>Our high performance RFI Filters provide upgraded functionality in attenuation performance for common and differential mode Interference</p> <p>Operating frequency range include 10kHz to 30MHz</p> <p>Rated currents of 3 or 6A are available with IEC inlet</p> <p>Custom designed filters ideal for medical applications are available</p>
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TECHNICAL DATA

Voltage Rating	250VAC	250VAC	250 VAC
Rated currents	3, 6, 10, 15 & 20A	3, 6, 10, 15, 20 & 30A	3, 6 & 20A
Leakage CURRENT each line to ground @120VAC 60Hz/ 250VAC50Hz	.16 mA / .26mA	.21 mA /.43 mA: <b>(3-10A models)</b>  .73 mA / 1.52 mA: <b>(15-30A models)</b>	.73 / 1.27 mA: <b>AMI-12/J/L/M (C) models:</b>  .22 / .38 mA: <b>AMI-12/J/K/L/M/N (B) models:</b>
Circuit Type	Single stage	Single stage	Single stage
Mounting Style	Screw mounting	Screw mounting	Screw mounting (flange or panel)
Termination Inputs	.25 [6.3] spade terminals	.25 [6.3] spade terminals, 8-32 terminal bolt & nut, wire leads	.25 [6.3] spade terminals, wire leads or IEC 60320-1 C14
Termination Outputs	.25 [6.3] spade terminals	.25 [6.3] spade terminals, 8-32 terminal bolt & nut, wire leads	.25 [6.3] spade terminals or wire leads

APPLICATIONS

<ul style="list-style-type: none"><li>Industrial machinery</li><li>Small machine tools</li><li>Residential appliances</li><li>Power supplies</li></ul>	<ul style="list-style-type: none"><li>Single phase industrial machinery</li><li>Switching power supplies</li><li>Power saving equipment</li><li>Battery charging device</li></ul>	<ul style="list-style-type: none"><li>Trouble shooting operations</li><li>Single phase industrial applications</li><li>HVAC systems</li><li>Switching power supplies</li></ul>
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Power Line Filters

SERIES	AMI-M12B/C	AMI-M12E/F/G/H	AMI-M11U&V
			

FEATURES & BENEFITS

Dual stage RFI power filters are designed to meet low leakage current requirements	Engineered and designed to provide the maximum attenuation of RFI noise in the frequency range from 10kHz to 30MHz for low leakage current applications	Our AMI-M11U & V series offers high performance, low cost filter ideal for appliance equipment
High insertion loss		Designed for cost effective and tubular design
VP series meet standard RFI requirements	Size and cost effective	AMI-M11UD/E/F models complies with leakage current requirements for portable devices
		Various mounting styles available

TECHNICAL DATA

Voltage Rating	250VAC	250VAC	250 VAC
Rated currents	3, 6, 7, 10, 12 & 20A	3 & 6A	16A
Leakage CURRENT each line to ground @120VAC 60Hz/ 250VAC50Hz	.73 mA/ 1.27 mA: <b>AMI-M12B (C) models:</b>  .21 mA / .36 mA: <b>AMI-M12A/B (B) models:</b>	2µA/5µA	<b>AMI-M11U/V (C) models:</b> .76 mA/ 1.27 mA  <b>AMI-M11U/V (B) models:</b> .10 mA / .20 mA
Circuit Type	Dual stage	Dual stage	Single stage
Mounting Style	Screw mounting	Screw mounting (flange or panel)	Screw-in mounting stud
Termination Inputs	.25 [6.3] spade terminals, wire leads, terminal bolt & nut, or IEC 60320-1 C14	.25 [6.3] spade terminals, wire leads, threaded bolt & nut, or IEC 60320-1 C13	.25 [6.3] spade terminals, wire leads or RAST 5 header interface
Termination Outputs	.25 [6.3] spade terminals, wire leads, or terminal bolt & nut	.25 [6.3] spade terminals, wire leads, threaded bolt & nut, or IEC 60320-1 C13	.25 [6.3] spade terminals, wire leads or RAST 5 header interface

APPLICATIONS

<ul style="list-style-type: none"><li>• Drive motors &amp; controllers</li><li>• Single phase industrial applications</li><li>• Consumer electronics</li></ul>	<ul style="list-style-type: none"><li>• Drive motors &amp; controllers</li><li>• Single phase industrial applications</li><li>• Consumer electronics</li></ul>	<p>Specially designed for wide band RFI suppression for many applications including:</p> <ul style="list-style-type: none"><li>• Washing appliances and dryers</li><li>• Dishwashers</li><li>• Refrigerators &amp; freezers</li><li>• Coffee machines</li><li>• Handheld appliances &amp; tools</li><li>• Ovens &amp; ranges</li></ul>
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Power Line Filters

SERIES	AMI-M11S/T&12W/X/Y	AMI-M12Q	AMI-M12AI
			

FEATURES & BENEFITS

<p>Compact design tillers available with superlor common-mode and premium differential-mode attenuation</p> <p>Size and cost effective</p>	<p>Our AMI-M12Q series has been designed to meet multi-purpose medical applications</p> <p>Better line to ground performance</p> <p>Designed to resolve emission or immunity problems</p> <p>Designed to meet leakage current requirements or UL2601 for health care equipment</p>	<p>Our AMI-M12AI series has been exclusively designed for lighting devices, fluorescent lamp and related lighting ballasts, thereby also meeting requirements at 277 VAC or 277 VDC</p> <p>Provides good attenuation in the range of 100kHz to 30MHz</p> <p>Compact size or filter allows for installation in most standard lighting tracks</p> <p>Strong differential mode performance</p>
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TECHNICAL DATA

Voltage Rating	250VAC	250VAC	277 VAC
Rated currents	3, 6, 10, 15 or 20A	3, 6, 10 or 20A	3, 6, 10 or 20A
Leakage CURRENT each line to ground @120VAC 60Hz/ 250VAC50Hz	<p>.3mA/ .5mA</p> <p><b>AMI-M11S/T &amp; AMI-M12W/X/Y (C) models:</b></p> <p>.75mA/ 1.2mA</p> <p><b>AMI-M12W/X/Y (D) models:</b></p>	<p>.07mA/.13mA</p>	<p>.28mA / .21mA</p> <p>@120 VAC 60Hz / 277VAC 60 Hz</p>
Circuit Type	Single & Dual stage	Dual stage	Dual stage
Mounting Style	Screw mounting (flange or panel)	Screw mounting (flange or panel)	Screw mounting (flange or panel)
Termination Inputs	.25 [6.3] spade terminals, wire leads, threaded bolt & nut, or IEC 60320-1 C13	.25 [6.3] spade terminals	Wire leads
Termination Outputs	.25 [6.3] spade terminals, wire leads, threaded bolt & nut, or IEC 60320-1 C13	.25 [6.3] spade terminals	Wire leads

APPLICATIONS

<ul style="list-style-type: none"><li>Industrial machinery</li><li>Small machine tools</li><li>Residential appliances</li><li>Power supplies</li></ul>	<ul style="list-style-type: none"><li>Medical equipment &amp; accessories</li><li>Power supplies</li></ul>	<ul style="list-style-type: none"><li>Fluorescent ballasts</li><li>LED displays</li><li>Office and hospital lighting</li><li>Lower current industrial applications</li></ul>
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Power Line Filters

SERIES	AMI-B11B/C	AMI-M11A	AMI-M11J/K/L/M
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FEATURES & BENEFITS

PC board mountable RFI filters designed for general purpose	RFI fitters for high Impedance load/low current designed for general purpose applications	RFI power line filters designed for high impedance loads
Provides low leakage currents		Meets pulsed, continuous and/or intermittent RFI interference requitements
Compact size & cost effective design	Multiple termination options available	
Designed for enhanced differential mode performance	Meets low leakage current requirements of VDE portable equipment and medical applications	Ground choke options available
AMI-M11B features compact size		

TECHNICAL DATA

Voltage Rating	250VAC	250VAC	250 VAC
Rated currents	1, 3, 6 or 10A	1, 2, 3, 5, 10, 20 or 30A	1, 2, 3, 5, 10, 20, 30, 40 or 60A
Leakage CURRENT each line to ground @120VAC 60Hz/ 250VAC50Hz	<b>AMI-B11B/C (B-1/B-2) models:</b> .22mA/ .38mA  <b>AMI-B11B/C (B) models:</b> .13mA/ .21mA	<b>AMI-M11A (D) models:</b> .4mA/ .7mA  <b>AMI-M11A (B) models:</b> .21mA/ .36mA	<b>AMI-M11J/K/L/M (B-1) models:</b> .5mA/ 1.0mA  <b>AMI-M11J/K/L/M (B-2):</b> .21mA/ .36mA
Circuit Type	Single stage	Single stage	Single stage
Mounting Style	PC board pins	Screw mounting	Screw mounting (flange or panel)
Termination Inputs	PCB pins .025[.635] square	.25[6.3] spade terminals, 8-32 terminal bolt & nut or wire leads	.25[6.3] spade terminals, 8-32 terminal bolt & nut, wire leads or IEC 60320-1 C14 or C20
Termination Outputs	PCB pins .025[.635] square	.25[6.3] spade terminals, 8-32 terminal bolt & nut or wire leads	.25[6.3] spade terminals, 8-32 terminal bolt & nut or wire leads

APPLICATIONS

Designed for PCB mounting with wide applications in: <ul style="list-style-type: none"><li>Gaming machines</li><li>Cash terminals</li><li>Office equipment</li><li>Small consumer electronics</li><li>TV/Audio/Video</li><li>Computing and accessories</li></ul>	Wire band RFI suppression for applications requiring low attenuation Including: <ul style="list-style-type: none"><li>HVAC</li><li>TV/Audio/Video</li><li>Computing &amp; Accessories</li><li>Home appliances</li><li>Medical equipment</li><li>Battery charging sys1ems</li></ul>	Universal filter applanations requiring mid-range attenuation Including: <ul style="list-style-type: none"><li>TV/Audio/Video</li><li>Computing &amp; accessories</li><li>Home appliances</li><li>Medical equipment</li><li>Gaming machines</li><li>Exercise equipment</li></ul>
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Power Line Filters

SERIES	AMI-M-31NA	AMI-M31NB	AMI-M31NC
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FEATURES & BENEFITS

<p>Our 3-Phase RFI power line filters offer four-wire, WYE applications</p> <p>Cost efficient, versatile 3-phase fitters</p> <p>Effective attenuation performance over frequency levels of 10kHz to 30MHz</p> <p>Two different styles of mounting</p>	<p>Our 3-Phase RFI power line filters with four wire configuration provide for WYE and high noise applications</p> <p>Great attenuation performance with low leakage current</p> <p>Best suited for EMC troubleshooting operations and refurbishing in the field</p> <p>Safe handling terminals provide feasible connections and accidental contact safety</p>	<p>Our low current 3-phase RFI filters are designed for four wire, WYE applications</p> <p>Filters each of the three lines in addition to the neutral</p> <p>All filters provide good attenuation performance beginning at 100 KHz</p> <p>Ensures low leakage current</p> <p>Compact design</p>
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TECHNICAL DATA

Voltage Rating	440 VAC Phase to Phase 250 VAC Phase to Neutral/Ground	480 VAC Phase to Phase 277 VAC Phase to Neutral/Ground	440 VAC Phase to Phase 250 VAC Phase to Neutral/Ground
Rated currents	16, 25, 36, 50 & 100A	25 & 180A	3, 6, 10 & 20A
Leakage CURRENT each line to ground @120VAC 60Hz/ 250VAC50Hz	1.62 mA/2.82 mA	Varies from 62/106 mA for <b>25A</b> to 111/192 mA for <b>180A model</b>	2.0 mA/3.0 mA: <b>(3 -10A models)</b>  3.5 mA/5.5 mA: <b>(20A models)</b>
Circuit Type	Single stage	Single stage	Single stage
Mounting Style	Screw mounting (flange or inserts)	Screw mounting (flange)	Screw mounting (flange or panel)
Termination Inputs	Terminal bolt & nut or DIN type	DIN type terminals	0.25[6.3] spade terminals
Termination Outputs	Terminal bolt & nut or DIN type	DIN type terminals	0.25[6.3]

APPLICATIONS

<ul style="list-style-type: none"><li>universal filters are designed to provide continuous operation in power supplies</li><li>Used in industrial motor drive applications</li><li>Used in machinery</li></ul>	<p>Extensive RFI suppression for WYE applications with very high RFI emissions including:</p> <ul style="list-style-type: none"><li>Frequency convertors with very long motor cables</li><li>Machinery tools</li></ul>	<p>Contributes to low to minimal RFI emissions in:</p> <ul style="list-style-type: none"><li>Consumable service equipment</li><li>Vending machines</li><li>Entertaining gadgets</li><li>Machine servicing tools</li></ul>
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# Power Entry Modules

SERIES

AMI-M32A



## FEATURES & BENEFITS

Our space saving 3-phase Delta RFI filters are provided with light weight book-form

Good quality safe terminals with insulation for input and output

Provides better common and differential mode performance below 100kHz

Safe handling terminals provide feasible connections and accidental contact safety

## TECHNICAL DATA

Voltage Rating

440 VAC Phase to Phase  
250VAC Phase to Neutral-Ground

Rated currents

20 to 60A

Leakage CURRENT each line to ground @120VAC 60Hz/ 250VAC50Hz

1.4mA / 3.4mA

Circuit Type

Single stage

Mounting Style

Screw mounting (flange}

Termination Inputs

DIN type terminals

Termination Outputs

DIN type terminals

## APPLICATIONS

Designed exclusively for regeneration systems of returning power, with extensive RFI suppression for industrial 3-phase applications including:

- Machinery tools
- 3-phase inventors & converters
- Variable speed motor drives
- Process automation services
- Variable speed automotive motor drives



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