ALTRAN MAGNETICS

EMI FILTER DIVISION

QUICK REFERENCE GUIDE

Manufacturers of EMI Filter Technology

Power Entry Modules

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

FEATURES & BENEFITS

	AMI-M11AG/11AH/11AS	AMI-M11X/Y	AMI-M12AK/AL
	Our cost efficient medium performance power inlet filters with enhanced two element circuit provides good attenuation up to 30MHz • AMI-M11AH models feature minimal leakage current ideal for medical equipment applications • AMI-M11AS models provide low leakage current • AMI-M11AG models feature snap-in mounting setup	Our dual function power entry module combines a DPST switch and an IEC 60320-1 inlet • Available in shielded or medical grade filter types • Two element circuit provides greater attenuation performance • Optional pre-connected line and switch terminals provide reduced OEM wiring time • Mounting styles include snap-in or flange type	Our superior high performance power filters are designed with IEC 60320-1 INLET • Double three element differential mode circuit attenuates noise up to 1GHz • Currents up to 15A with IEC 60320-1 C14 and 20A with IEC 60320-1 C20 • Termination: spade terminals or wire leads

TECHNICAL DATA

	AMI-M11AG/11AH/11AS	AMI-M11X/Y	AMI-M12AK/AL
Voltage Rating	250 VAC	250 VAC	250 VAC
Rated Currents	1 to 20A	1,3,6,10 or 15A*	1,3,6,19 or 15A
Leakage current each line to ground @120 VAC 60Hz/ 250 VAC 50Hz	**AMI-M11AG models**: .22 mA/.38 mA **AMI-M11AH models**: 2µA/5µA **AMI-M11AS models**: .01 mA/.017 mA	**AMI-M11Y models** : .25 mA/ .40 mA **AMI-M11X models**: 2µA/ 5µA	.21mA/ .36mA
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

AMI-M11AG/11AH/11AS	AMI-M11X/Y	AMI-M12AK/AL
Good RFI suppression performance for wide range of applications including: • Home appliances • Exercise machines • Computing accessories	Good RFI suppression performance for wide range of applications including: • Network & cabling systems • PC power supplies • Medical equipment	Performs upgraded functionality in noise attenuation in the high frequency range up to 1GHz for several electronic applications including: • Plasma & LCD TVs • Computing & accessories • Instrumentation & measurement

Power Entry Modules

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

FEATURES & BENEFITS

AMI-M11AB	AMI-M11AA	AMI-M11AC/AD
Highest attenuation available with three element differential mode circuit • High common mode inductance • High differential mode capacitance • Good attenuation of Line to Ground and Line to Line noise across frequency range • Several termination options available	Enhanced performance provided with accessory IEC 60320-1 C13 filtered outlet • Allows connection of accessories while filtering noise between a system and the accessory • Grounded connection • Suitable for international use	Medium attenuation achieved with two element circuit • Available with an internal ground-circuit inductor to isolate equipment chassis from powerline ground at radio frequencies • Applicable currents up to 15A

TECHNICAL DATA

	AMI-M11AB	AMI-M11AA	AMI-M11AC/AD
Voltage Rating	250 VAC	250 VAC	250 VAC
Rated Currents	1,3,6,or 10A	1,3,6,or 10A	1, 3, 6, 10 or 15A
Leakage current each line to ground @120 VAC 60Hz/ 250 VAC 50Hz	.25mA/ .50mA	.25mA/ .50mA	.22mA/ .38mA
Circuit Type	Single stage	Single 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

AMI-M11AB	AMI-M11AA	AMI-M11AC/AD
Good RFI suppression performance for wide range of applications including: • Network & cabling systems • PC power supplies • Medical equipment	Performs upgraded functionality in noise attenuation in the high frequency range for several electronic applications including: • Plasma & LCD TVs • Computing & accessories • Instrumentation & measurement	Wide band RFI suppression for applications including: • TV/Audio/Video • Computing accessories • Home appliances • Medical equipment • Gaming equipment

Power Entry Modules

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

FEATURES & BENEFITS

AMI-M11AE/AEA/AF/AEF	AMI-M11AI	AMI-M11AN/AM/AO/AP/AQ
Compact Single stage EMI filter 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

	AMI-M11AE/AEA/AF/AEF	AMI-M11AI	AMI-M11AN/AM/AO/AP/AQ
Voltage Rating	250 VAC	250 VAC	250 VAC
Rated Currents	1, 3, 6 or 10A	1, 3, 6, 10 or 15A	1, 3, 6 or 10A
Leakage current each line to ground @120 VAC 60Hz/ 250 VAC 50Hz	**11AE/AEA models:** .22mA/ .38mA **11AF/AEF models:** 2µA/5µA	.21mA/ .36mA	**AN/AM/AO/AP models:** .25mA/.42mA **AQ models:** 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 PC board pins	.25[6.3] spade terminals or wire leads	.250[6.3] spade terminals or wire leads

APPLICATIONS

AMI-M11AE/AEA/AF/AEF	AMI-M11AI	AMI-M11AN/AM/AO/AP/AQ
Good RFI suppression performance for wide range of applications including:	Wide band RFI suppression for applications with limited space including:	Wide band RFI suppression for numerous applications including:
• Entertainment gadgets	• TV/Audio/Video	• TV/Audio/Video
• Network & cabling systems	• Computing & PC powers supplies	• Computing & accessories
• PC power supplies	• Network & cable systems	• Home appliances
• Medical equipment	• Medical equipment	• Medical equipment

Power Entry Modules

SERIES AMI-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	250 VAC
Rated Currents	3, 6, 10 or 15A
Leakage current each line to ground @120 VAC 60Hz/ 250 VAC 50Hz	2μA/5μA
Circuit Type	Single stage
Mounting Style	Chassis mount
Termination Inputs	.250[6.3] 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	AMI-M11J/11K/11L/11M	AMI-M11D

FEATURES & BENEFITS

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

TECHNICAL DATA

Voltage Rating	Max :250 VAC	Max : 250 VAC	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 @120 VAC 60Hz/ 250 VAC 50Hz	**AMI-M11HA models:** 2µA/ 5µA	**AMI-M11J/K/L/M-B/D models :** .5mA / 1.0mA **AMI-M11J/K/J/M-B models :** .21mA / .36mA	**AMI-M11D-B/C models :** .4mA / .7 mA **AMI-M11D-B models:** .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

• Medical accessories • Residential appliances • Battery charging systems	• Residential appliances • Medical accessories • Home appliances • Test measuring devices	• Residential appliances • Medical accessories • Computing & accessories

Power Line Filters

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



FEATURES & BENEFITS

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

TECHNICAL DATA

Voltage Rating	Max : 250 VAC	Max : 250 VAC	250 VAC
Rated Currents	1, 2, 3, 4, 10 or 20A	1, 2, 3, 4 or 6A	3, 6, 10, 20 & 60A *(60A S series only)*
Leakage current each line to ground @120 VAC 60Hz/ 250 VAC 50Hz	**AMI-M12R-B/C models** : .4 mA / .7 mA **AMI-M12R/S-B models** : .21 mA / .36 mA	.3 mA / .5 mA	.4 mA / .7 mA (**12T/U/V series 3-10A**) .75 mA / 1.25 mA (**12T/U/V series 60A**) .5 mA / .82 mA (**12Z/AA/AB/AC series**)
Circuit Type	Dual stage	Single stage	Dual stage
Mounting Style	Screw mounting (flange or panel)	Screw mount or PC board pins	Screw mounting
Termination Inputs	.24 [6.3] spade terminals, 8-32 terminal bolt & nut, Wire leads or IEC 60320-1 C14	.23 [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

• Security protection devices • Industrial equipment & controls • Motors • Semiconductor actuators	• Great for space conserving applications • Switching power supplies • Industrial single phase applications	• Residential appliances • Medical accessories • Computing & accessories

Power Line Filters

SERIES	AMI-M11E/12D	AMI-M11O	AMI-M11P/11Q/11R
			

FEATURES & BENEFITS

AMI-M11E/12D	AMI-M11O	AMI-M11P/11Q/11R
Our high performance RFI filters provide upgraded functionality in attenuation performance for most digital electronics equipment • Operates at a wide frequency range of 20kHz to 30MHz • Cost efficient design	Our RFI line filters provide high performance with space efficient design • Low leakage current application filters can be custom designed • Filters operating at 30A are comparatively smaller in size	Our RFI line filters are exclusively designed for Switch Mode Power Supply (SMPS) emission control • Ensures reduced noise levels in equipment's that comply with FCC/EN specifications • Some models are equipped with separate ground circuit inductor

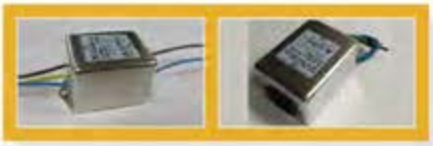
TECHNICAL DATA

	AMI-M11E/12D	AMI-M11O	AMI-M11P/11Q/11R
Voltage Rating	Max : 250 VAC	250 VAC	250 VAC
Rated Currents	6 & 10A	6, 10, 20 & 30A	3, 6, 10, 20, 30 & 40A
Leakage current each line to ground @120 VAC 60Hz/ 250 VAC 50Hz	.3 mA / .5 mA : **(AMI-M11E/12D-B models)** 1.2 mA / 2.0 mA : **(AMI-M11E/12D-D models)**	.75 mA / 1.25 mA: **(AMI-M11O-B models)** .22 mA / .36 mA: **(AMI-M11O-C/D models)**	.4 mA / .7 mA: **(3-10A AMI-M11P/R-B/C models)** .21 mA / .36 mA: **(3-10A AMI-M11P/R-B models)** .75 mA / 1.25 mA: **(3-10A AMI-M11P/Q-C/D models)** .3 mA / .5 mA: **(3-10A AMI-M11P/Q-B models)**
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

AMI-M11E/12D	AMI-M11O	AMI-M11P/11Q/11R
• Switching power supplies • Industrial single phase applications • Small machinery	• Residential appliances • Medical accessories • Computing & accessories	• Residential appliances • Medical accessories • Computing & accessories

Power Line Filters

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

FEATURES & BENEFITS

AMI-M11N	AMI-M12A	AMI-M12J/12K/12L/12M/12N
Our compact power line filters provide significant differential mode performance • Ideal for low leakage current applications	Compact dual stage filters are designed for current rating up to 30A • Good differential mode attenuation and common mode performance • Ideal for switching mode power supplies	Our high performance RFI Filters provide upgraded functionality in attenuation performance for common and differential mode interference • Operating frequency range include 10kHz to 30MHz • Rated currents of 3 or 6A are available with IEC inlet • Custom designed filters ideal for medical applications are available

TECHNICAL DATA

	AMI-M11N	AMI-M12A	AMI-M12J/12K/12L/12M/12N
Voltage Rating	250 VAC	250 VAC	250 VAC
Rated Currents	3, 6, 10, 15 & 20A	3, 6, 10, 15, 20 & 30A	3, 6 & 20A
Leakage current each line to ground @120 VAC 60Hz/ 250 VAC 50Hz	.16 mA / .26 mA	.21 mA / .43 mA **(1 & 6A models)** .73 mA / 1.52 mA **(15-30A models)**	.73 / 1.27 mA: **(3 & 20A AMI-M12J/M/L-C/D models)** .22 / .38 mA: **(3 & 20A AMI-M12J/K/M/N/L-B models)**
Circuit Type	Single stage	Dual stage	Dual 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 or 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 or wire leads	.25 [6.3] spade terminals or wire leads

APPLICATIONS

AMI-M11N	AMI-M12A	AMI-M12J/12K/12L/12M/12N
• Industrial machinery • Small machine tools • Residential appliances • Power supplies	• Single phase industrial machinery • Switching power supplies • Power saving equipment • Battery charging device	• Trouble shooting operations • Single phase industrial applications • HVAC systems • Switching power supplies

Power Line Filters

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

FEATURES & BENEFITS

AMI-M12B	AMI-M12E/F/G/H	AMI-M11U&V
Dual stage RFI power filters are designed to meet low leakage current requirements • High insertion loss • VP series meet standard RFI 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 • Size and cost effective	Our AMI-M11U & V series offers high performance, low cost filter ideal for appliance equipment • Designed for cost effective and tubular design • AMI-M11UD/E/F models complies with leakage current requirements for portable devices • Various mounting styles available

TECHNICAL DATA

	AMI-M12B	AMI-M12E/F/G/H	AMI-M11U&V
Voltage Rating	250 VAC	250 VAC	250 VAC
Rated Currents	3, 6, 7, 10, 12 & 20A	3, 6, 7, 10 or 15A	16A
Leakage current each line to ground @120 VAC 60Hz/ 250 VAC 50Hz	.73 mA / 1.27 mA: **(AMI-M12B-C/D models)** .21 mA / .36 mA: **(AMI-M12B-B models)**	2μA/5μA	**AMI-M11U/VA/B/C**: .76mA / 1.27mA **AMI-M11U/VD/E/F**: .10mA / .20mA
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, or threaded bolt & nut, or IEC 60320-1 C-13	.25[6.3] spade terminals, wire leads or RAST 5 header interface

APPLICATIONS

AMI-M12B	AMI-M12E/F/G/H	AMI-M11U&V
• Drive motors & controllers • Single phase industrial applications • Consumer electronics	• Drive motors & controllers • Single phase industrial applications • Consumer electronic	Specially designed for wide band RFI suppression for many applications including: • Washing appliances and dryers • Dishwashers • Refrigerators & freezers • Coffee machines • Handheld appliances & tools • Ovens & ranges

Power Line Filters

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

FEATURES & BENEFITS

AMI-M11S&12W/X/Y	AMI-M12Q	AMI-M12AI
Compact design filters available with superior common-mode and premium differential-mode attenuation • Size and cost effective • Designed to meet extremely very low leakage current requirements	Our AMI-M12Q series has been designed to meet multi-purpose medical applications • Better line to ground performance • Designed to resolve emission or immunity problems • Designed to meet leakage current requirements of UL2601 for health care equipment	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 • Provides good attenuation in the range of 100kHz to 30MHz • Compact size of filter allows for installation in most standard lighting tracks • Strong differential mode performance

TECHNICAL DATA

	AMI-M11S&12W/X/Y	AMI-M12Q	AMI-M12AI
Voltage Rating	250 VAC	250 VAC	277 VAC
Rated Currents	3, 6, 7, 10 or 15A	3, 6, 10 or 20A	3, 6, 10 or 20A
Leakage current each line to ground @120 VAC 60Hz/ 250 VAC 50Hz	2μA/5μA	.07mA/.13mA	.28mA/.21mA
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, or threaded bolt & nut, or IEC 60320-1 C13	.25 [6.3] spade terminals	Wire leads

APPLICATIONS

AMI-M11S&12W/X/Y	AMI-M12Q	AMI-M12AI
• Industrial machinery • Small machine tools • Residential appliances • Power supplies	• Medical equipment & accessories • Power supplies	• Fluorescent ballasts • LED displays • Office and hospital lighting • Lower current industrial applications

Power Line Filters

SERIES	AMI-M11B/BB/C	AMI-M11A	AMI-M11J/K/L/M
			

FEATURES & BENEFITS

AMI-M11B/BB/C	AMI-M11A	AMI-M11J/K/L/M
PC board mountable RFI filters designed for general purpose	RFI filters for high impedance load/low current designed for general purpose applications	RFI power line filters designed for high impedance loads
Provides low leakage currents	Multiple termination options available	Meets pulsed, continuous and/or intermittent RFI interference requirements
Compact size & cost effective design	Meets low leakage current requirements of VDE portable equipment and medical applications	AMI-M11J models are suitable for low leakage current requirements for VDE portable equipment and medical applications
Designed for enhanced differential mode performance		Ground choke options available
AMI-M11B features compact size		

TECHNICAL DATA

	AMI-M11B/BB/C	AMI-M11A	AMI-M11J/K/L/M
Voltage Rating	250 VAC	250 VAC	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 @120 VAC 60Hz/ 250 VAC 50Hz	**11BB&11C models**: .22mA/ .38mA **11B models**: .13mA / .21 mA	**AMI-M11A-X-X-D**: .4mA / .7mA **AMI-M11A-X-X-B**: .21mA / .36mA	**AMI-M11J/K/L/M-X-X-B/D**: .5mA / 1.0mA **AMI-M11J/K/M-X-X-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

AMI-M11B/BB/C	AMI-M11A	AMI-M11J/K/L/M
Designed for PCB mounting with wide applications in: • Gaming machines • Cash terminals • Office equipment • Small consumer electronics • TV/Audio/Video • Computing and accessories	Wide band RFI suppression for applications requiring low attenuation including: • HVAC • TV/Audio/Video • Computing & Accessories • Home appliances • Medical equipment • Battery charging systems	Universal filter applications requiring mid-range attenuation including: • TV/Audio/Video • Computing & accessories • Home appliances • Medical equipment • Gaming machines • Exercise equipment

3-Phase Filters

SERIES	AMI-M-31NA	AMI-M31NB	AMI-M31NC
			

FEATURES & BENEFITS

AMI-M-31NA	AMI-M31NB	AMI-M31NC
Our 3-Phase RFI power line filters offer four-wire, WYE applications • Cost efficient, versatile 3-phase filters • Effective attenuation performance over frequency levels of 10kHz to 30MHz • Two different styles of mounting	Our 3-Phase RFI power line filters with four wire configuration provide for WYE and high noise applications • Great attenuation performance with low leakage current • Best suited for EMC troubleshooting operations and refurbishing in the field • Safe handling terminals provide feasible connections and accidental contact safety	Our low current 3-phase RFI filters are designed for four wire, WYE applications • Filters each of the three lines in addition to the neutral • All filters provide good attenuation performance beginning at 100 KHz • Ensures low leakage current • Compact design

TECHNICAL DATA

	AMI-M-31NA	AMI-M31NB	AMI-M31NC
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, 63 & 100A	16 to 200A	3, 6, 10 & 20A
Leakage current each line to ground @120 VAC 60Hz/ 250 VAC 50Hz	1.62 mA/2.82 mA @120 VAC 60Hz/250 VAC 50 Hz	Varies from 62/106 mA/V for **16A** to 111/192 mA/V for **200A model**	2.0 mA/3.0 mA: **(3 – 10A models)** 3.5 mA/5.5 mA: **(20A models)** @120 VAC 60Hz/250 VAC 50 Hz
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

AMI-M-31NA	AMI-M31NB	AMI-M31NC
• Universal filters are designed to provide continuous operation in power supplies • Used in industrial motor drive applications • Used in machinery	Extensive RFI suppression for WYE applications with very high RFI emissions including: • Frequency converters with very long motor cables • Machinery tools	Contributes to low to minimal RFI emissions in: • Consumable service equipment • Vending machines • Entertaining gadgets • Machine servicing tools

3-Phase Filters

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	480 VAC Phase to Phase 277 VAC Phase to Neutral/Ground
Rated Currents	7 to 130A
Leakage current each line to ground	30 mA. @ 277 VAC 50Hz
Circuit Type	Dual 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 inverters & converters
- Variable speed motor drives
- Process automation services
- Variable speed automotive motor drives

ALTRAN MAGNETICS

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