

1, 3, 6 & 10A

IEC inlet with
line filter



The FASA combines an EMI filter with an IEC320-C14 inlet, to provide excellent attenuation in a compact module. They are available as either snap-in (FASASxxPFR) or screw mount (FASASxxSFR) for consumer, commercial, ITE & instrumentation type applications.

When fitted to mains powered equipment, they provide excellent attenuation to conducted electro-magnetic interference from the mains supply, whilst reducing any conducted emissions from within the equipment onto the mains supply.



Features

- ▶ IEC320-C14 filtered inlet
- ▶ Screw mount & snap-in versions
- ▶ Compact design
- ▶ ITE version
- ▶ Voltage range 0 to 250VAC
- ▶ Current rating 1, 3, 6 & 10A
- ▶ 6.3 x 0.8mm Faston terminals
- ▶ Bleed resistor
- ▶ Shielded metal body
- ▶ Wide operating temperature range
- ▶ 3 year warranty

Applications



Industrial

Dimensions

See mechanical details

Documentation

For further information click the link or scan the code

→ xppower.com



Models & ratings

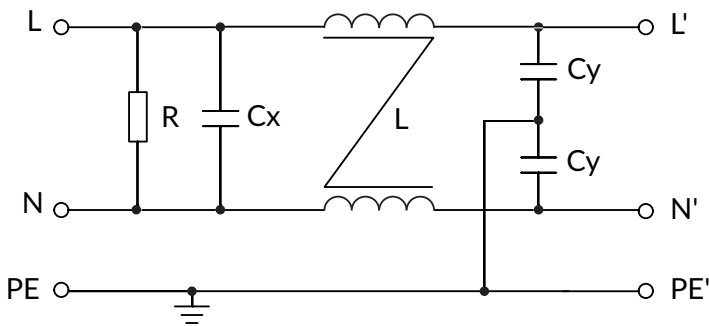
Model number/ filter	Rated current at 50°C	Leakage current		Inductance at 10kHz, 0.25V	Capacitance		Resistance	Weight	Application	Mounting
		115VAC/60Hz	250VAC/50Hz		Cx	Cy				
FASAS01SFR	1A	0.25mA	0.45mA	2 x 6.5mH	0.1µF	2 x 2.2nF	1MΩ	38g	ITE	Screw
FASAS03SFR	3A			2 x 2.5mH				37g		Screw
FASAS06SFR	6A			2 x 0.8mH				39g		Screw
FASAS10SFR	10A			2 x 0.2mH				39g		Screw
FASAS01PFR	1A	0.25mA	0.45mA	2 x 6.5mH	0.1µF	2 x 2.2nF	1MΩ	39g	ITE	Snap-In
FASAS03PFR	3A			2 x 2.5mH				39g		Snap-In
FASAS06PFR	6A			2 x 0.8mH				41g		Snap-In
FASAS10PFR	10A			2 x 0.2mH				41g		Snap-In

Specification

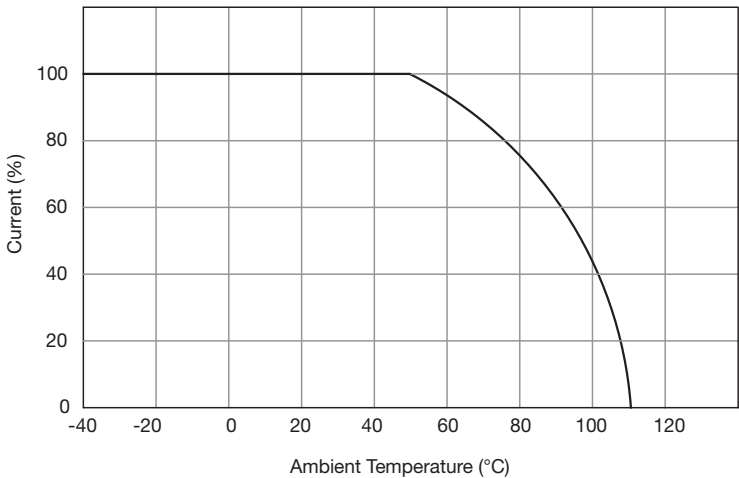
Characteristic	Minimum	Typical	Maximum	Units	Notes & conditions
Rated voltage			250	VAC	
Input frequency	DC		400	Hz	
Rated current	1		10	A	See models and ratings
Earth leakage current	0.25		0.48	mA	See models and ratings
MTBF	1.75			Mhrs	MIL-HDBK 217F, 250VAC at +40°C
Flammability rating	UL94V-2				
Temperature operating	-40		110	°C	See derating curve
Safety approvals	EN60939-2				Passive filter units for EMI suppression
	ANSI/UL1283				Electromagnetic Interference Filters
Terminals	Faston 6.3 x 0.8mm straight				
Protection class	Suitable for appliances with protection Class I				
Dielectric strength		1500		VAC	

Application notes

Electrical schematic



Thermal derating

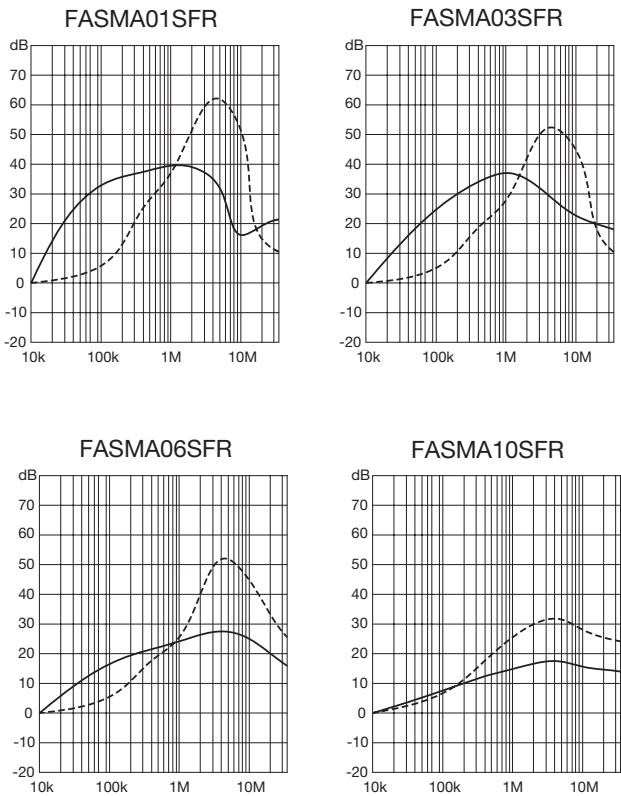


Application notes

Typical attenuation curves

Per CISPR 17, 50 Ω system

Asymmetrical (Common Mode)
Symmetrical (Differential Mode)

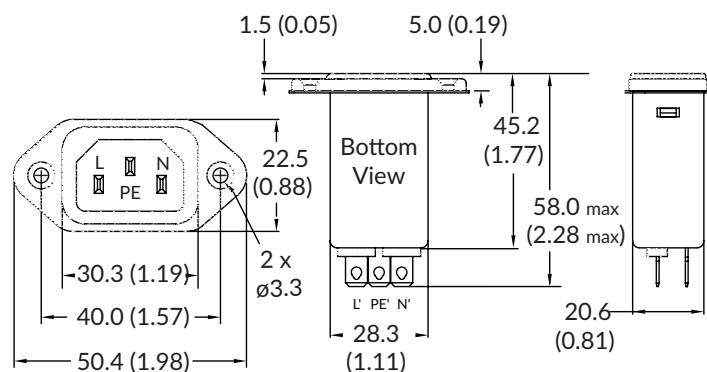


Safety approvals

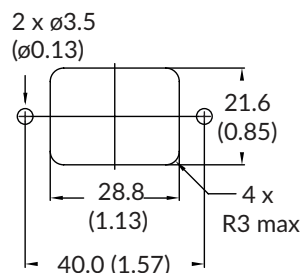
Safety Agency	Standard	Notes & conditions
CE	Meets all applicable directives	
UKCA	Meets all applicable legislation	

Mechanical details

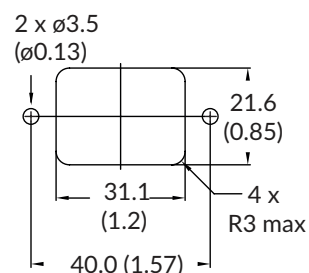
Screw mount



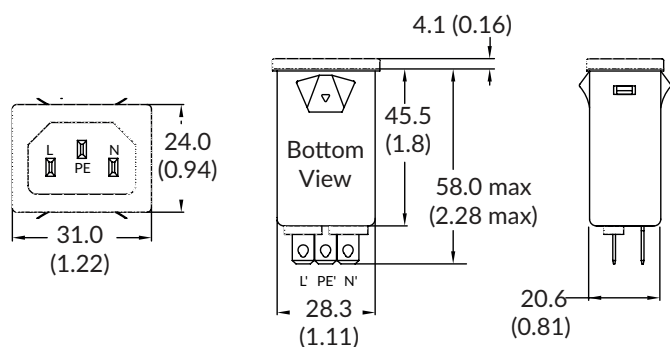
Suggested panel cut-out
(mounting from front)



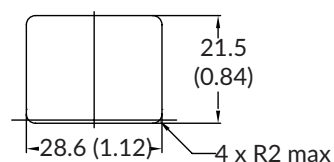
Suggested panel cut-out
(mounting from rear)



Snap-in mount



Suggested panel cut-out
(mounting from front)



Panel Thickness 0.8mm-1.6mm

Notes:

1. All dimensions are in inches (mm)