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PASSIVE PFC CHOKES

Product Description

- Inductors used to reduce the input current THD, stabilise it, and optimise the power factor to the device

- The passive PFC purpose is to adjust the power factor in the circuit so the device is provided with efficient power.

- Mainly used for low-capacity power supply devices.

- Significantly reduces the main harmonic distortions and minimises interferences.

- Optimises the equipment power factor, and therefore, efficiency.

- A wide range of inductance values (up to 20 mH) and currents (up to 10 A).

Typical Applications



WASHING MACHINE

AIR CONDITIONING

COMPRESSOR

OUR PASSIVE PFC CHOKE RANGE



Size	Type
EI 30 x 23	Open/Potted
EI 38 x 13.6	Open/Potted
EI 42 x 20	Open/Potted
EI 48 x 20.5	Open/Potted
EI 54 x 23	Open



GENERAL DATA - ELECTRICAL CHARACTERISTICS - ENVIRONMENTAL

	Inductance Range (mH)	Rated current (Arms)		Sat. Current (A _{pk})
		Potted	Open	
EI30	1 – 20	5.2 – 1.3		10.4 – 2.1
EI38	1 – 15	4.7 – 1.5	4.8 – 1.5	10.5 – 2.5
EI42	1 – 20	5.9 - 2		14 – 3.5
EI48	1 – 20	8.7 – 2.2	7.9 - 2	16.2 – 2.9
EI54	1 - 20		7.7 - 2	21.5 – 4.6



GENERAL DATA - ELECTRICAL CHARACTERISTICS - ENVIRONMENTAL

	Temperature Class		Operating Temperature (°C)		Storage Temperature (°C)
	Potted	Open	Potted	Open	
EI30	T70 / B	T70 / F	- 40/+120	- 40/+140	-40/+85
EI38	T70 / B	T70 / F	- 40/+120	- 40/+140	-40/+85
EI42	T50 / B T60 / B T70 / B	T50 / F T60 / F T70 / F	- 40/+120	- 40/+140	-40/+85
EI48	T70 / B	T70 / F	- 40/+120	- 40/+140	-40/+85
EI54		T70 / F	- 40/+120	- 40/+140	-40/+85

Potted	T50 / B	60K
	T60 / B	50K
	T70 / B	40K

Open	T50 / F	80K
	T60 / F	70K
	T70 / F	60K