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AMFC-LPZ



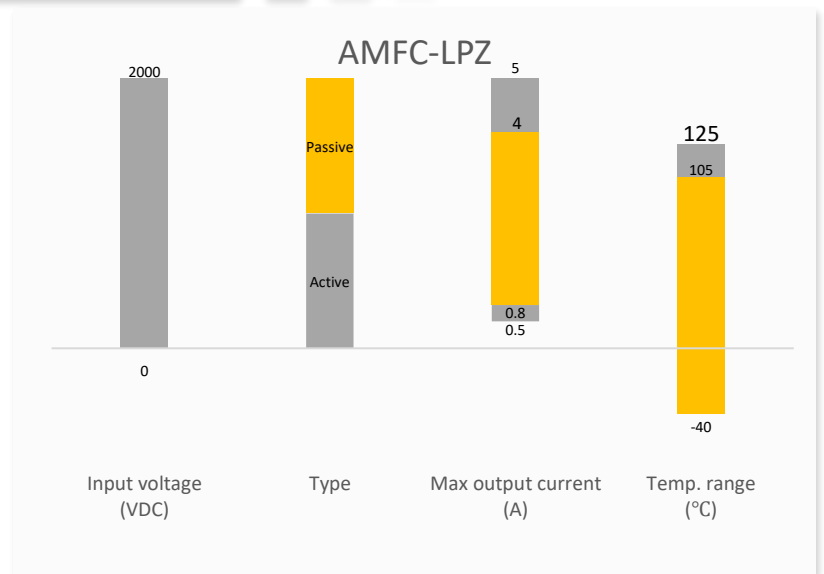
Open Frame

The AMFC-LPZ is a cost-effective open frame common-mode EMC filter. The AMFC-LPZ series has an operating temp range from -40 to 105°C has a maximum input current up to 4A which is a good fit for applications related to industrial controls.

Features

- Operating Temp: -40 °C to +105 °C
- Max Input Current Up To 4A

Summary



Training



Product Training Video
(click to open)



Press Release

Coming Soon!

Application Notes

Applications



Power Grid



Industrial



Telecom



Instrumentation

Models & Specifications

Models

Model	Inductance (mH)	Rated Current Max. (A)	DCR Max. (mΩ)	Isolation Min. (VAC)	Leakage Inductance Typ. (μH)	Weight Typ.(g)
AMFC10-0.8LPZ	10 Typ.	0.8	220	1500	60	2.9
AMFC20-1.4LPZ	20 Min.	1.4	220	1500	100	5.4
AMFC22-3LPZ	2.2 Min.	3	50	1500	10	5.8
AMFC47-3LPZ	4.7 Min.	3	70	1500	18	6.8
AMFC12-4LPZ	12 Min.	4	50	1500	65	16

General Specifications

Parameters	Conditions	Typical	Maximum	Units
Operating temperature		-40 to +105		°C
Storage temperature		-40 to +125		°C
Storage humidity		>10	95	%RH
Isolation voltage	Pri ~ Sec, 2seconds, 5mA max	>1500		VAC
Rated voltage		>305		VAC

NOTE: Operating temperature range includes inductor self-heating.

Dimensions

Unit : mm (inch)

Model	L(Max.)	W(Max.)	H(Max.)	D(Typ.)	E(Typ.)	F(Typ.)	G(Typ.)	Symbol	Pin function
AMFC10-0.8LPZ	16.0(0.63)	8.5(0.33)	18.0(0.71)	4.0(0.16)	10.0(0.39)	4.5(0.18)	0.7(0.03)	Figure 1	Figure 4
AMFC20-1.4LPZ	18.0(0.71)	11.5(0.45)	17.5(0.69)	3.5(0.14)	8.0(0.31)	6.0(0.24)	0.6(0.02)	Figure 2	Figure 4
AMFC22-3LPZ	17.0(0.67)	11(0.43)	19.5(0.77)	4.0(0.16)	10.0(0.39)	4.5(0.18)	0.7(0.03)	Figure 1	Figure 4
AMFC47-3LPZ	17.0(0.67)	11(0.43)	19.5(0.77)	4.0(0.16)	10.0(0.39)	4.5(0.18)	0.7(0.03)	Figure 1	Figure 4
AMFC12-4LPZ	25.0(0.98)	25.0(0.98)	15.0(0.59)	3.5(0.14)	13.0(0.51)	10.0(0.39)	0.7(0.03)	Figure 3	Figure 4

Figure 1

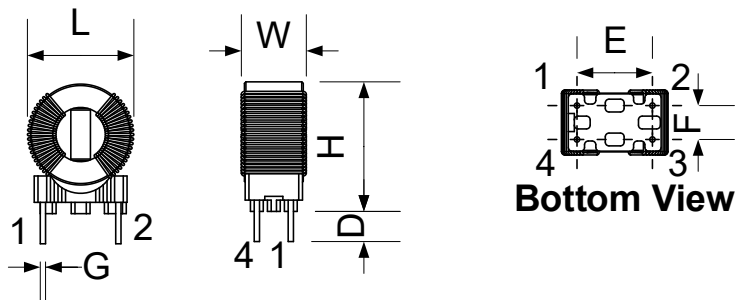


Figure 2

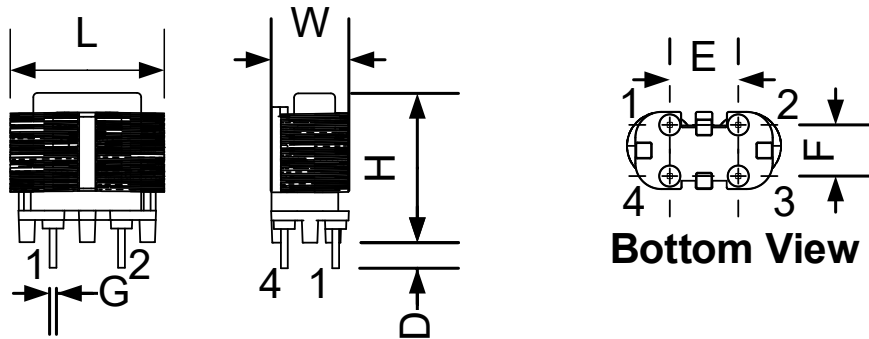
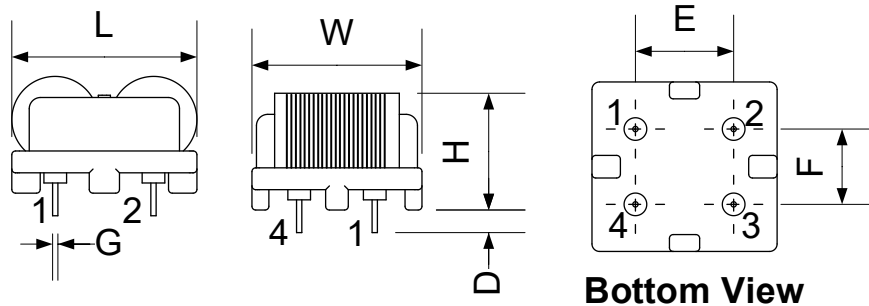
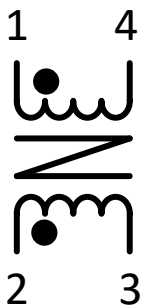


Figure 3



Pin function

Figure 4



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