

AMFE30503

AMFE30503 DC EMC Filter





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Models & Specifications

Models					
Model	Input Voltage (VAC)	Max Current (A)			
AMFE30503-LN11	85 - 305	0.3			

General Specifications

Parameters	Conditions	Typical	Maximum	Units
Operating temperature	-40 to +85			°C
Storage temperature	-40 to +105			°C
Case temperature rise	220VAC / 0.3A		5	°C
Isolation Voltage (L/GND ; N/GND)	1 min,1mA leakage current 2000			VAC
Case material	Heat resistant black Plastic (flammability to UL 94V-0)			
Weight		20		g
Dimensions (L x W x H)	1.33 x 0.87 x 0.71 inches (33.70 x 22.20 x 18.00mm)			
NOTE: All specifications in this datasheet are measured at an ambient temperature of 25°C, humidity<75%, nominal input voltage and at rated output load unless otherwise specified.				

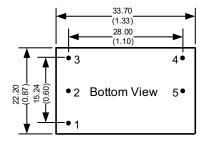
Safety Specifications

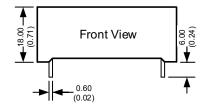
Parameters

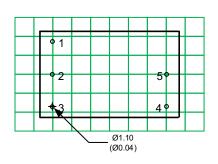
Standards

Put AMFE30503-LN11 on to the input of AC/DC module can ensure the module meet Surge level of IEC/EN61000-4-5 standard \pm 1KV (2 Ω internal resistance) / \pm 2KV (12 Ω internal resistance) and EMI requirement of CISPR32/EN55032 Class B.

Dimensions



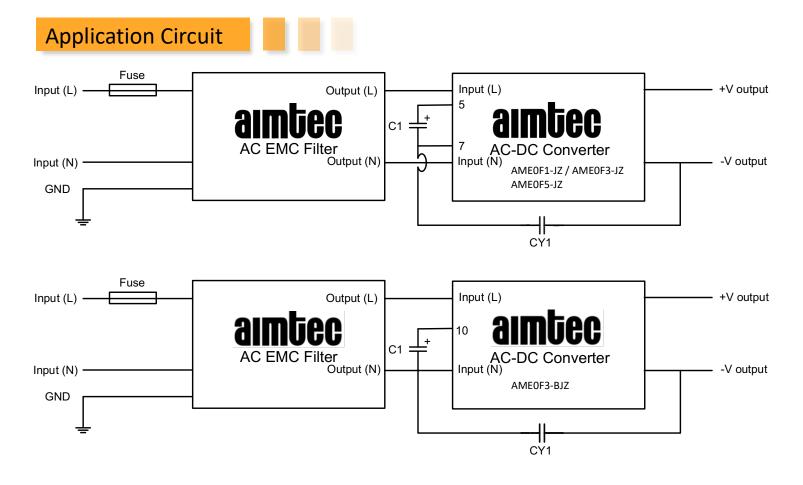




Dimensions mm (inch). Pin diameter tolerance $\pm 0.1 (\pm 0.004)$ Pin height tolerance $\pm 0.5 (\pm 0.02)$

Pin Output Specifications			
Pin	Single		
1	GND		
2	Input (N)		
3	Input (L)		
4	Output (L)		
5	Output (N)		





Model	Recommended external circuit parameters
Fuse	Due to the different of the power module input current, the fuse of the recommended values, please refer to the technical manual for the power module.
C1 / CY1	Parameter selection please refer to power supply technical manual.

Supporting the power module product model

Model	EMI (Without External Circuit)	EMI (With AMEF30503- LN11)	EFT (Without External Circuit)	EFT (With AMEF30503- LN11)	Surge (Without External Circuit)	Surge (With AMEF30503- LN11)
AME0F1-JZ AME0F3-BJZ AME0F3-JZ AME0F5-JZ		CISPR32/EN55032 CLASS B		IEC/EN61000-4-4 ± 4KV Perf. Criteria B		IEC/EN61000-4-5 ± 1KV / ± 2KV Perf. Criteria B

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