

FC100 SERIES

Input Filter Modules - 5, 10 and 20 Amp

The FC100V5A, FC100V10A, and FC100V20A are 5A, 10A, and 20A input filter modules that are optimized for IPD's DC/DC converters. The filters provide up to 30dB of common and differential mode suppression at 500KHz, allowing IPD's converters to meet FCC and EN55022 Class B conducted EMI limits. The filters are rated at up to 100VDC, and 100C case temperature, making them ideal for Telecom, Industrial, and Datacom markets.

The FC100 series filters are manufactured in IPD's fully automated assembly line and ISO9000 factory, insuring the highest reliability possible. Please contact our sales department to request price and delivery.

Maximum input voltage	100 VDC
Line to case isolation voltage	1000 VDC
Maximum operating and storage case temperature	100 C
Minimum operating and storage case temperature	-40 C
Humidity max, non-condensing	95%
Frequency	DC to 60Hz
Cooling	Free-Air Convection

Specifications subject to change without notice.



International Power Devices, Inc.

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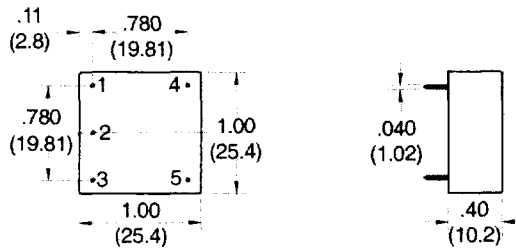
Operating Current (Amps)	Insertion loss (return to 0 dB)	Insertion loss (through module dB)	Typical resistance (ohms)	Model
5	28	30	27	FC100V5A
10	31	28	17	FC100V10A
20	26	32	6.6	FC100V20A

* Typical loss at 500 kHz (50 Ohms)

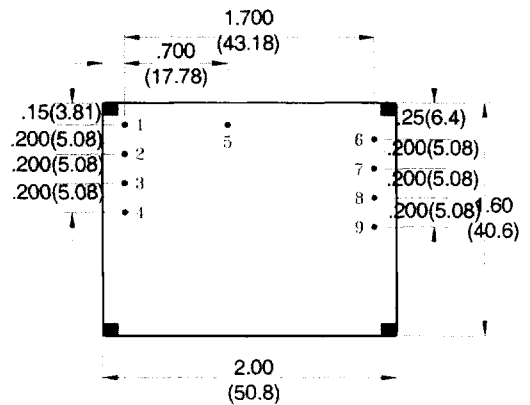
** Resistance per leg

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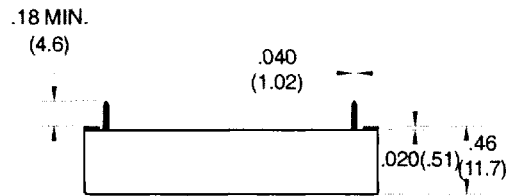
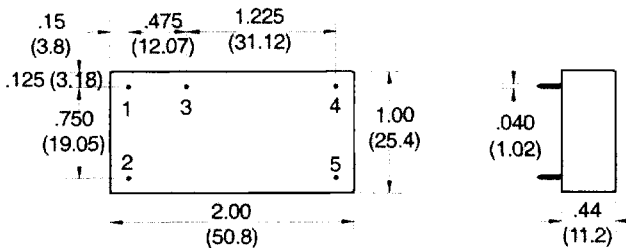
FC100V5A - 5 Amp Module



FC100V20A - 20 Amp Module



FC100V10A - 10 Amp Module



Pin	Function	Pin	Function	Tolerances (unless otherwise specified)
5A and 10A Modules				Inches .XX ± .020 .XXX ± .010
20A Module				
1	Input	1	-VIN	(Millimeters) .X ± 0.5 .XX ± .25
2	Ground (5A) Input (10A)	2	-VIN	
3	Input (5A)	3	+VIN	Pins ± .002 ± .05
4	Ground (10A)	4	+VIN	
5	Output	5	GND	
6	Output	6	-VOUT	
7	Output	7	-VOUT	
		8	+VOUT	
		9	+VOUT	

In North America, call **1-888-IPD-CONVERTERS** for more information.

473-2668