ARTISAN®
TECHNOLOGY GROUP

Your **definitive** source for quality pre-owned equipment.

Artisan Technology Group
(217) 352-9330 | sales@artisantg.com | artisantg.com

Full-service, independent repair center
with experienced engineers and technicians on staff.

We buy your excess, underutilized, and idle equipment
along with credit for buybacks and trade-ins.

Custom engineering
so your equipment works exactly as you specify.

- Critical and expedited services
- In stock / Ready-to-ship
- Leasing / Rentals / Demos
- ITAR-certified secure asset solutions

Expert team | Trust guarantee | 100% satisfaction

All trademarks, brand names, and brands appearing herein are the property of their respective owners.

Find the *Bel Fuse / Power-One HBD060YGE-A* at our website: *Click HERE*

FC SERIES - 5A, 10A, 20A, FILTER

DESCRIPTION

FC100 industry standard input filter modules provide up to 30 dB of common mode and differential mode filtering at 500 kHz. The FC100's are available in 5A, 10A, and 20A versions and are optimized for operation with Power-One's high density, board-mounted products. The filters can be operated with up to 100 VDC input and have 1000 VDC isolation.

FEATURES

- Meets Class B Conducted Limits
- Optimized For Power-One's High Density, Board-Mounted Products
- PCB Mountable
- Common Mode and Differential Mode Filtering
- Industry Standard Pinout
- -40°C to 100°C Case Operation
- >30 dB Insertion Loss at 500 kHz
- 100 VDC Operation

TECHNICAL SPECIFICATIONS

Input	
Maximum Input Voltage	100 VDC
Line-to-Case Operation	1000 VDC
Input Frequency	100 Hz

Output	
Maximum Average Current	
400 LFM Airflow	I_{out} Max.
Natural Convection	70% I_{out}

General	
Isolation	
Input - Case	1000 VDC
Case Temperature	
Operating Range @ I_{out} Max.	-40 to +60°C
Operating Range @ 70% I_{out} Max.	-40 to +80°C
Storage Range	-40 to +125°C
Humidity Max., Non-Condensing	95%
Vibration, 3 Axes, 5 Min Each	5 g, 10 - 55 Hz
MTBF† (Bellcore TR-NWT-000332)	Consult Factory
Safety	Consult Factory



Notes
† MTBF predictions may vary slightly from model to model.
Specifications typically at 25°C, normal line, and full load, unless otherwise stated.
Soldering Conditions: I/O pins, 260°C, ten seconds; fully compatible with commercial wave-soldering equipment.
Safety: Agency approvals may vary from model to model. Please consult factory for specific model information.

FC SERIES - 5A, 10A, 20A, FILTER

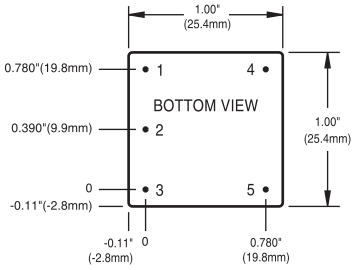
MODELS - (See the last page of Section C for options.)

Operating Current (Amps)	Insertion Loss* Differential Mode (dB)	Insertion Loss* Common Mode (dB)	Typical Resistance** (mOhms)	Model
5	28	30	27	FC100V5A
10	31	28	17	FC100V10A
20	26	32	6.6	FC100V20A

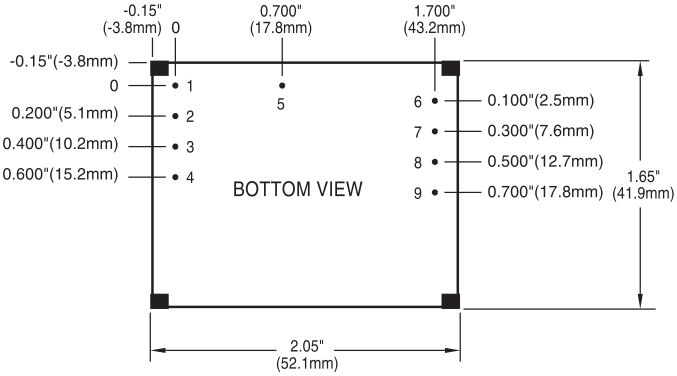
* Typical loss at 500 kHz (50 Ohms)
** Resistance Per Leg

MECHANICAL DRAWING

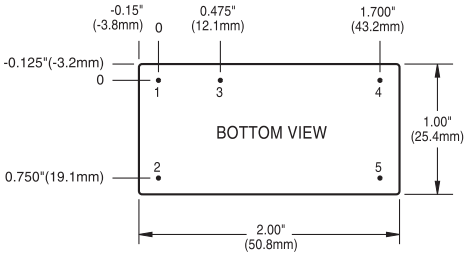
FC100V5A

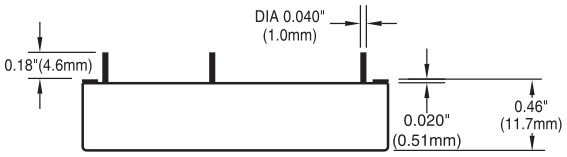


FC100V20A



FC100V10A





Pin	Function
5A Module	
1	$+V_{in}$
2	Ground
3	$-V_{in}$
4	$+V_{out}$
5	$-V_{out}$

Pin	Function
10A Module	
1	$+V_{in}$
2	$-V_{in}$
3	Ground
4	$+V_{out}$
5	$-V_{out}$

Pin	Function
20A Module	
1	$-V_{in}$
2	$-V_{in}$
3	$+V_{in}$
4	$+V_{in}$
5	Ground
6	$-V_{out}$
7	$-V_{out}$
8	$+V_{out}$
9	$+V_{out}$

Tolerances	
Inches:	(Millimeters)
.XX ± 0.020	.X ± 0.5
.XXX ± 0.010	.XX ± 0.25
Pin:	
± 0.002	± 0.05

(Dimensions as listed unless otherwise specified.)

Artisan Technology Group is an independent supplier of quality pre-owned equipment

Gold-standard solutions

Extend the life of your critical industrial, commercial, and military systems with our superior service and support.

We buy equipment

Planning to upgrade your current equipment? Have surplus equipment taking up shelf space? We'll give it a new home.

Learn more!

Visit us at **artisantg.com** for more info on price quotes, drivers, technical specifications, manuals, and documentation.

Artisan Scientific Corporation dba Artisan Technology Group is not an affiliate, representative, or authorized distributor for any manufacturer listed herein.

We're here to make your life easier. How can we help you today?

(217) 352-9330 | sales@artisantg.com | artisantg.com

ARTISAN® TECHNOLOGY GROUP