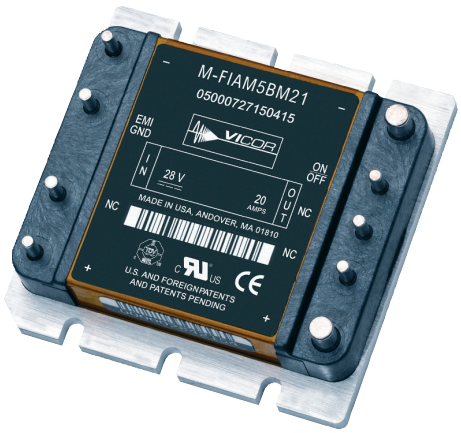
M-FIAM3 & M-FIAM5 Series

MILITARY COTS INPUT ATTENUATOR MODULES

Features

- **MIL-STD-461E compliant.**
- **MIL-STD-704E/F input transient protection.**
- **MIL-STD-810, MIL-STD-202 environments.**
- **Environment stress screening.**
- **Inrush current limiting.**
- **Reverse polarity protection.**
- **Low profile mounting options.**



Specifications

INPUT

Voltage	18-36Vdc (28Vdc modules). 180-375Vdc (270Vdc modules).
Input transient	50Vdc, 12.5ms, MIL-STD-704E/F, continuous operation(28Vdc modules). 400Vdc, 100ms, MIL-STD-704E/F (270Vdc modules).
Inrush limiting	0.007A/µF (28Vdc modules). 0.018A/µF (270Vdc modules).
Isolation	Input/output to base: 1,500Vrms Input/output to base: 2,121Vdc

OUTPUT

Output current	20Amps (28Vdc input). 3Amps (270Vdc input).
Internal voltage drop	0.5Vdc typ., 1.0Vdc max. (28Vdc input). 3.0Vdc typ., 5.0Vdc max. (270Vdc input).
Efficiency	96-98%

EMC CHARACTERISTICS; MIL-STD-461E

Input power leads	CE101, CE102 (Conducted emissions). CS101, CS114, CS115, CS116 (Conducted susceptibility).

ENVIRONMENTAL

	H-Grade	M-Grade
Storage temperature	-55°C to +125°C	-65°C to +125°C
Operating temperature (baseplate)	-40°C to +100°C	-55°C to +100°C
Power cycling burn-in	12hrs 28 cycles	24hrs 56 cycles
Temperature cycling	12cycles -65°C to +100°C	12cycles 65°C to +105°C
Test data supplied at these temperatures	-40°C, +100°C	-55°C, +100°C
Environmental compliance	MIL-STD-810	MIL-STD-810

Selection Table

MODEL NUMBER	NOMINAL INPUT VOLTAGE	INPUT RANGE	COMPATIBLE MI-SERIES
M-FIAM5B [A] [B] [C]	28Vdc	18-36V	V24 series
M-FIAM3 [A] [B] [C]	270Vdc	180-375V	V300 series

Please substitute selection character (e.g. [a]) with value designator in the appropriate table below.

A=PRODUCT GRADE	B = PIN STYLE	C = BASEPLATE
I = -40°C to +85°C	1 = Short	1= Slotted
M = -55°C to +85°C	2 = Long	2 = Threaded
	3 = Short ModuMate	3 = Thru Hole
	4 = Long ModuMate	