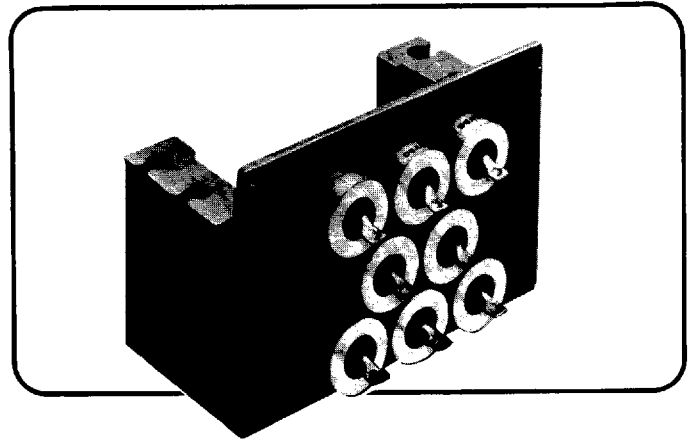


EMI Terminal Modules FTA Series

Features:

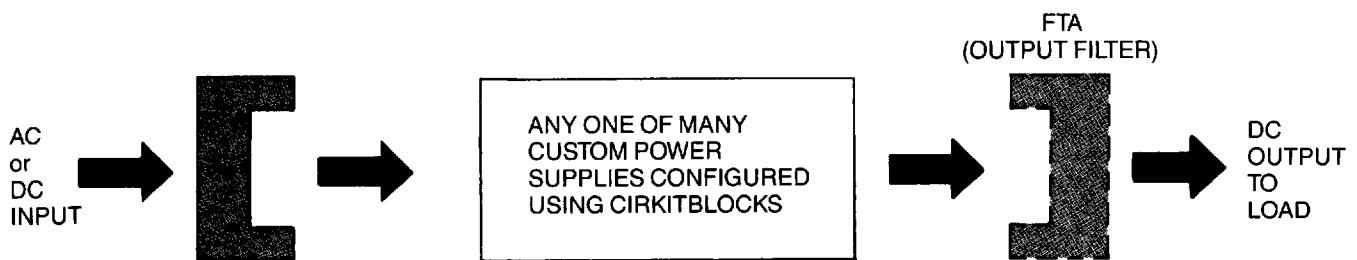
- Broad selection of standard products
- Rugged construction
- Designed flexibility



FTA Series EMI Terminal Modules

The FTA Series of modules manufactured by Powercube® are designed to provide AC or DC input and DC output EMI filtering. These rugged modules assist the user in controlling electromagnetic compatibility problems while providing a

simple means of interconnect and systems integration. The broad selection offers a wide range of filter complements to adapt to most applications (see Design Information, page 2)



EMI Terminal Modules FTA Series

DESIGN INFORMATION

Maximum Input Voltage (volts) Continuous Surge			Maximum DC Output Voltage (volts) Continuous Surge		Max. Input or Output Current (amps)	Number of Input Terminals	Number of Output Terminals	Type Number
50	DC	100	50	100	10	2	0	2100FTA
50	DC	100	50	100	10	2	2	4110FTA
50	DC	100	50	100	10	2	4	6111FTA
50	DC	100	50	100	10	2	6	8111FTA
132	AC	600	50	100	10	2	0	2200FTA
132	AC	600	50	100	10	2	2	4210FTA
132	AC	600	50	100	10	2	4	6211FTA
132	AC	600	50	100	10	2	6	8211FTA
132	AC	600	50	100	10	3	0	3220FTA*

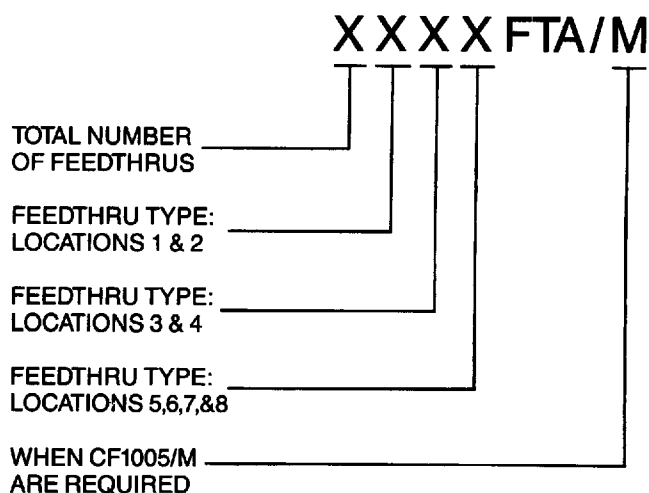
Type 1 CF1005 input or output up to 50 VDC
Type 2 CF1007 AC input or DC output over 50V
Other types available (consult factory)

*for use with ATDC module

FTA SERIES SPECIFICATIONS

	CF1005, CF1005/M	CF1007
DC Working voltage:	50	400
DC Current:	10ADC	10ADC
Capacitance (-55°C to + 100° C) @F =1kHz (Min)	1.4 μ F	.001 μ f
Inductance	2 μ hy(typ.)	N/A
Leakage current @ max. rated DC working voltage	5 μ A	.1 μ A
DC resistance in ohms typ	0.006	0.006
Operating Temperature	-55°C	+100°C
Storage Temperature	-65°C	+125°C
Weight	2.0 oz MAX	2.0 oz MAX
Finish	Chromate per Mil-C-5541, Class3	

PART NUMBER DESIGNATION



CF1005, CF1005/M

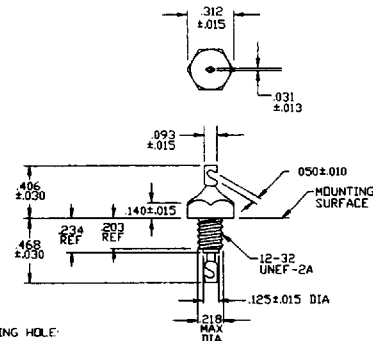
Technical drawing of a lockwasher showing dimensions: .410 MAX (outer diameter), .257 REF (inner diameter), and .031 APPROXIMATE WHEN MOUNTED (thickness).

Technical drawing of a nut and bolt. The nut is shown in a top view with a hexagonal shape and a central hole. The bolt is shown in a side view with a hexagonal head and a threaded shaft. Dimensions are provided for both parts.

Dimensions:

- Nut: $.312 \pm .015$ (width), $.250-28$ (height), $UNF-28$ (thread), NUT (part name).
- Bolt: $.098$ (width), $.088$ (height).

CF1007



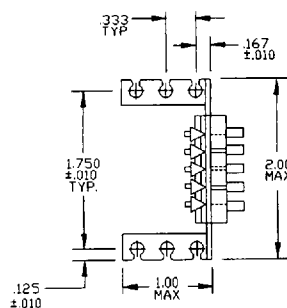
RECOMMENDED MOUNTING HOLE
.221 DIA

312
± 0.015

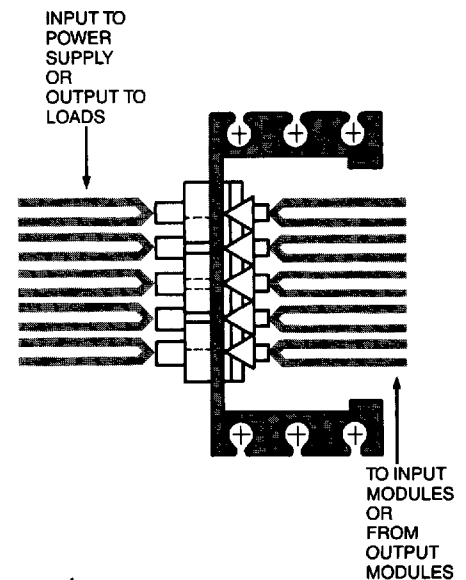
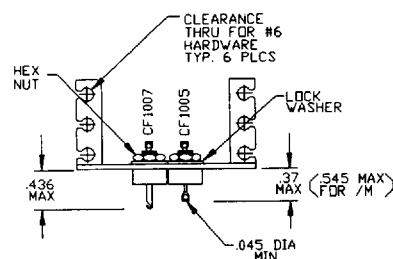
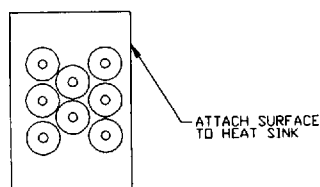
.080
.070

12-32
UNEF-2B
NUT

FUNCTIONAL DRAWING



WEIGHT 1.8 OUNCES MAX.



E-11 Terminal Modules FTA Series

APPLICATIONS INFORMATION

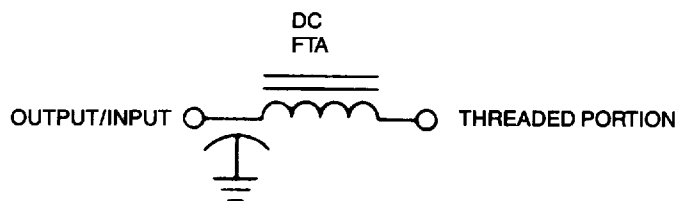
To insure optimum performance of the FTA modules, the following applications information is offered.

Feedthru filters are generally recommended on all inputs and outputs to minimize possible switching noise. The feedthru assemblies are designed to be either incorporated into a Block Pac Enclosure (see Block Pac Data sheet), or be utilized with other Cirkitblock® modules in a loose piece

configuration. To determine the appropriate FTA module, simply count the number of feedthrus required, either DC or AC and reference the Design Information on page 2. Additional feedthru filter types are available for special applications. Please consult factory for additional information.

ELECTRICAL SCHEMATIC

CF1005



CF1007

