

RF Load 100 Watts High Power To 2.7 GHz Low PIM
Black Anodized Aluminum 4.3-10 Female

Fairview Microwave's FMTR1035A is a high power RF cable termination (also called RF load or dummy load) that operates from 380 to 2,700 MHz and handles up to 100 Watts CW. Our 4.3-10 termination / load is a 50 Ohm impedance and has a Female gender. FMTR1035F load termination offers 1.22:1 Typical VSWR and low PIM (passive intermodulation) of -160 dBc. This Fairview Microwave 100 Watts terminator has a heatsink body which is designed to provide adequate heat dissipation within its full frequency of operation.

RF load / terminations are indispensable components in many RF, microwave and millimeter wave systems where signal reflection from unused ports can potentially damage the device or reduce the signal integrity. By terminating an unused port with a matched load (dummy load), the incident energy will be absorbed with minimal reflection. These termination components are commonly used to terminate devices such as couplers, hybrids, and combiners. They are also widely used in measurement systems to ensure accurate results. Fairview Microwave offers a huge selection of RF, microwave and millimeter wave terminations up to 65 GHz with excellent performance over the entire operating range and power handling capabilities up to 800 Watts CW.



Features:

- High Power
- RF 50 Ohm Impedance
- 380 to 2,700 MHz Frequency Range
- Typical VSWR 1.22:1
- Max Power 100 Watts CW
- Low PIM
- 4.3-10 Female Coaxial Interface
- DC Open

Applications:

- Wireless
- SatCom
- Test and Measurement
- Commercial and Military Communication
- Base Station
- 4G/AWS/PCS

Electrical Specifications

Description	Min	Typ	Max	Units
Frequency Range	0.38		2.7	GHz
Impedance		50		Ohms
Passive Intermodulation	-160			dBc
Input Power (CW)			100	Watts

Performance by Frequency

Description	F1	F2	F3	F4	F5	Units
Freq. Range	0.38-0.525	0.525-0.698	0.698-2.7			GHz
VSWR, Typ	1.38:1	1.29:1	1.22:1			

Mechanical Specifications

Size	
Length	6.77 in [171.96 mm]
Width	4 in [101.6 mm]
Height	3.19 in [81.03 mm]
Weight	6.728 lbs [3.05 Kg]

Configuration

Connector	4.3-10 Female
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Material Specifications

Description	Material	Plating
Housing	Black Anodized Aluminum	

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Compliance Certifications (see [product page](#) for current document)

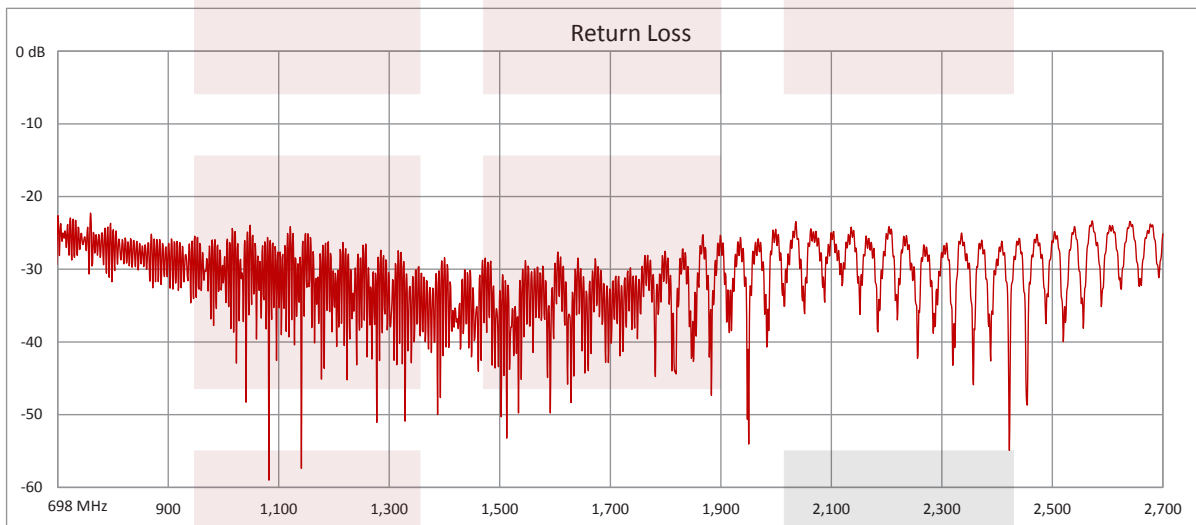
Plotted and Other Data

Notes:

Typical Performance Data

Passive Intermodulation Test Data

Tone 1 Frequency (MHz)	Tone 2 Frequency (MHz)	IM3 Frequency (MHz)	PIM Minimum (dBc)
1945.0	1990.0	1900.0	-160.0
P1	P2	PIM	Result
43.0 dBm	43.0 dBm	-173.1 dBc	Pass

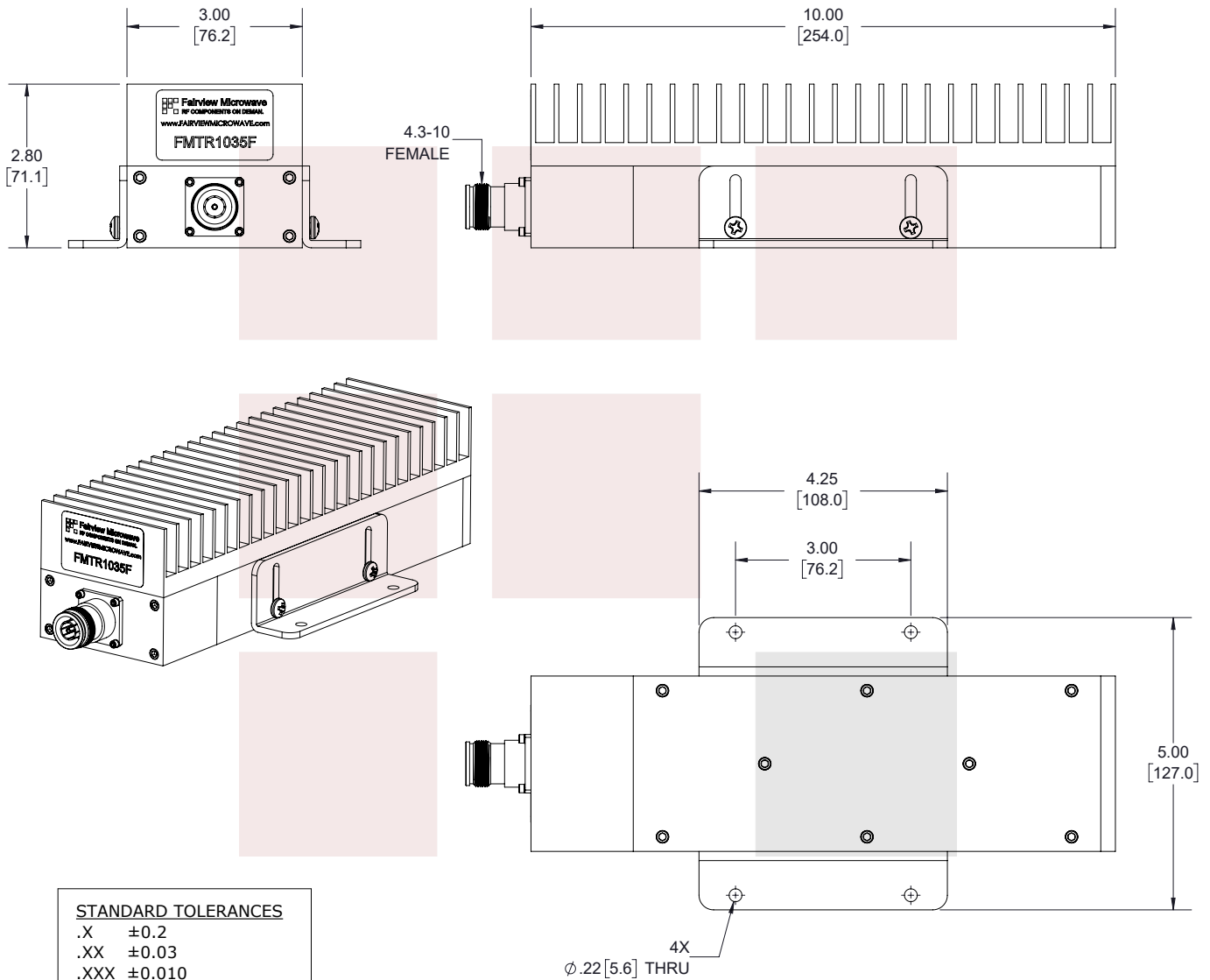


RF Load 100 Watts High Power To 2.7 GHz Low PIM Black Anodized Aluminum 4.3-10 Female from Fairview Microwave is in-stock and available to ship same-day. All of our RF/microwave products are available off-the-shelf from our ISO 9001:2008 certified facilities in Allen, Texas. Fairview Microwave is RF on-demand.

For additional information on this product, please click the following link: [RF Load 100 Watts High Power To 2.7 GHz Low PIM Black Anodized Aluminum 4.3-10 Female FMTR1035F](#)

URL: <https://www.fairviewmicrowave.com/rf-load-100-watts-2.7-ghz-low-pim-4.3-10-female-fmtr1035f-p.aspx>

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STANDARD TOLERANCES	
.X	±0.2
.XX	±0.03
.XXX	±0.010

*STANDARD TOLERANCES APPLY ONLY TO DIMENSIONS IN INCHES

FAIRVIEW MICROWAVE INC. ALLEN, TX 75013 WWW.FAIRVIEWMICROWAVE.COM		NOTES: 1. UNLESS OTHERWISE SPECIFIED ALL DIMENSIONS ARE NOMINAL. 2. ALL SPECIFICATIONS ARE SUBJECT TO CHANGE WITHOUT NOTICE AT ANY TIME. 3. DIMENSIONS ARE IN INCHES [mm].				
TITLE RF Load 100 Watts High Power To 2.7 GHz Low PIM Black Anodized Aluminum 4.3-10 Female		DWG NO FMTR1035F		CAGE CODE 3FKR5		
CAD FILE	010918	SHEET	1 OF 1	SCALE	N/A	SIZE A 7361