

RF Load 60 Watts Medium Power To 2.7 GHz Low PIM Black Anodized Aluminum 4.3-10 Male

Fairview Microwave's FMTR1031 is an RF cable termination (also called RF load or dummy load) that operates from 698 to 2,700 MHz and handles up to 60 Watts CW. Our 4.3-10 termination / load is a 50 Ohm impedance and has a male gender. FMTR1031 load termination offers 1.05:1 Typical VSWR and low PIM (passive intermodulation) of 160 dBc. This Fairview Microwave 60 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.

Electrical Specifications

Description	Min	Typ	Max	Units
Frequency Range	0.698		2.7	GHz
Impedance		50		Ohms
VSWR		1.05:1	1.15:1	
Return Loss		32	23	dB
Passive Intermodulation	-160			dBc
Input Power (CW)			60	Watts

Mechanical Specifications

Size	
Length	6.77 in [171.96 mm]
Width	1.75 in [44.45 mm]
Height	4.01 in [101.85 mm]
Weight	1.689 lbs [766.12 g]

Configuration

Connector	4.3-10 Male
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Material Specifications

Description	Material	Plating
Housing	Black Anodized Aluminum	

Compliance Certifications (visit www.FairviewMicrowave.com for current document)

RoHS Compliant	Yes
REACH Compliant	12/17/2015



Features:

- RF 50 Ohm Impedance
- 698 to 2,700 MHz Frequency Range
- Typical VSWR 1.05:1
- Max Power 60 Watts CW
- Low PIM
- 4.3-10 Male Coaxial Interface
- DC Open

Applications:

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

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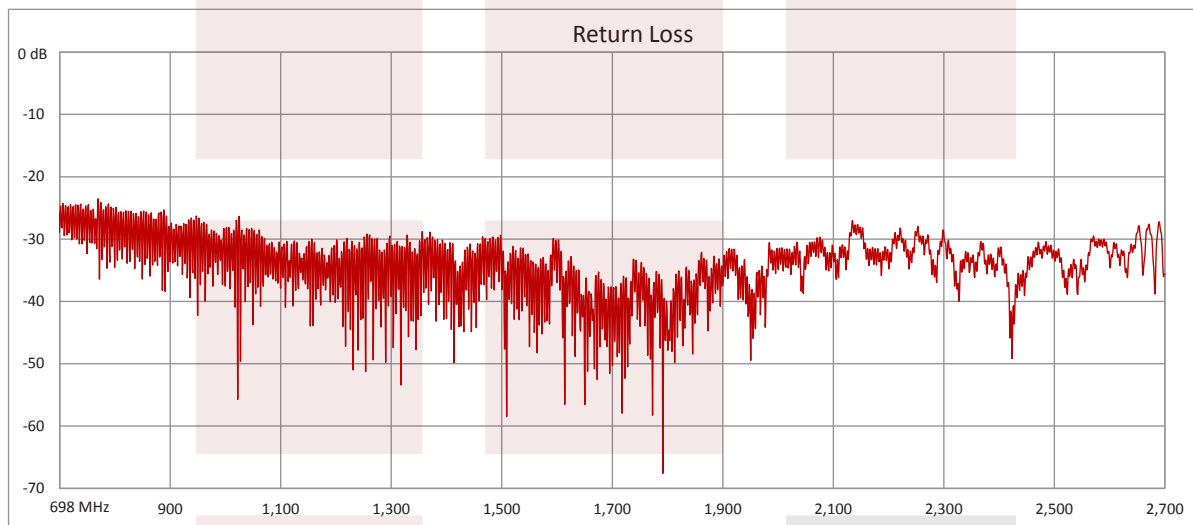
Plotted and Other Data

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	-163.6 dBc	Pass

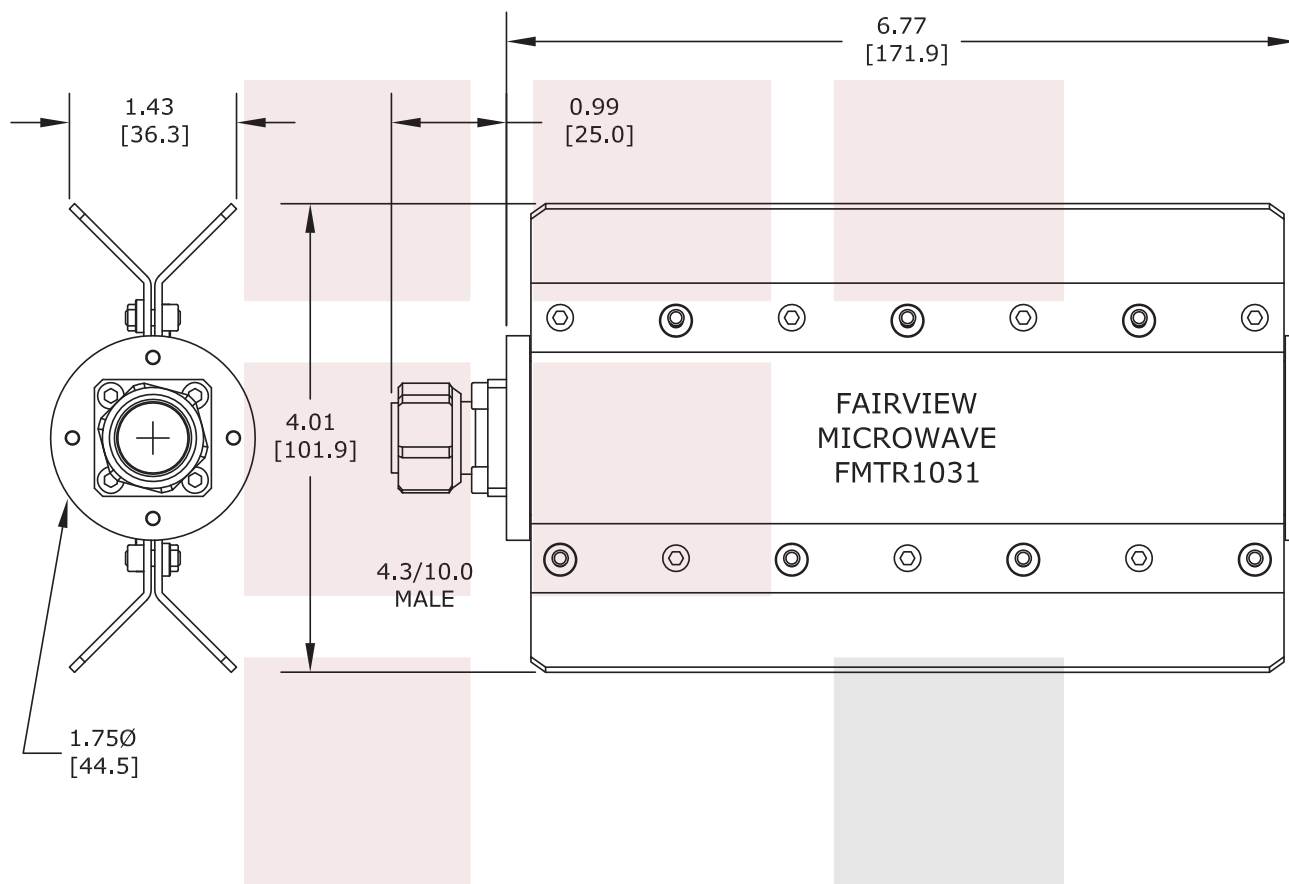


RF Load 60 Watts Medium Power To 2.7 GHz Low PIM Black Anodized Aluminum 4.3-10 Male from Fairview Microwave is in-stock and available to ship same-day. All of our RF/microwave products are available off-the-shelf from our ISO 9001:2008 certified facilities in Allen, Texas. Fairview Microwave is RF on-demand.

For additional information on this product, please click the following link: [RF Load 60 Watts Medium Power To 2.7 GHz Low PIM Black Anodized Aluminum 4.3-10 Male FMTR1031](https://www.fairviewmicrowave.com/rf-load-60-watts-2.7-ghz-low-pim-4.3-10-male-fmtr1031-p.aspx)

URL: <https://www.fairviewmicrowave.com/rf-load-60-watts-2.7-ghz-low-pim-4.3-10-male-fmtr1031-p.aspx>

The information contained in this document is accurate to the best of our knowledge and representative of the part described herein. It may be necessary to make modifications to the part and/or the documentation of the part, in order to implement improvements. Fairview Microwave reserves the right to make such changes as required. Unless otherwise stated, all specifications are nominal. Fairview Microwave does not make any representation or warranty regarding the suitability of the part described herein for any particular purpose, and Fairview Microwave does not assume any liability arising out of the use of any part or documentation.



UNLESS OTHERWISE SPECIFIED:
DIMENSIONS ARE IN: inches
TOLERANCES ARE: [mm]
HOLE TOLERANCE: X.XXX ± .003 [±.076]
LENGTH TOLERANCE: X.XXX ± .010 [±.254]
LENGTH TOLERANCE: X.XX ± .030 [±.762]

* THESE DIMENSIONS AND TOLERANCES SUPERSEDE NOTE #1 ON TITLE BLOCK.

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 60 Watts Medium Power To 2.7 GHz Low PIM Black Anodized Aluminum 4.3-10 Male	DWG NO FMTR1031		CAGE CODE 3FKR5		
	CAD FILE 052716	SHEET	SCALE N/A	SIZE A	2233