

RF Load 40 Watts Medium Power To 2.7 GHz
Low PIM Black Anodized Aluminum 4.3-10 Male

Fairview Microwave's FMTR1027 is an RF cable termination (also called RF load or dummy load) that operates from 698 to 2,700 MHz and handles up to 40 Watts CW. Our 4.3-10 termination / load is a 50 Ohm impedance and has a male gender. FMTR1027 load termination offers 1.07:1 Typical VSWR and low PIM (passive intermodulation) of 160 dBc. This Fairview Microwave 40 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:

- RF 50 Ohm Impedance
- 698 to 2,700 MHz Frequency Range
- Typical VSWR 1.07:1
- Max Power 40 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

Electrical Specifications

Description	Min	Typ	Max	Units
Frequency Range	0.698		2.7	GHz
Impedance		50		Ohms
VSWR		1.07:1	1.15:1	
Return Loss		30	23	dB
Passive Intermodulation	-160			dBc
Input Power (CW)			40	Watts

Mechanical Specifications

Size	
Length	6.77 in [171.96 mm]
Width	1.75 in [44.45 mm]
Height	2.78 in [70.61 mm]
Weight	1.5202 lbs [689.55 g]

Configuration

Connector 4.3-10 Male

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

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Plotted and Other Data

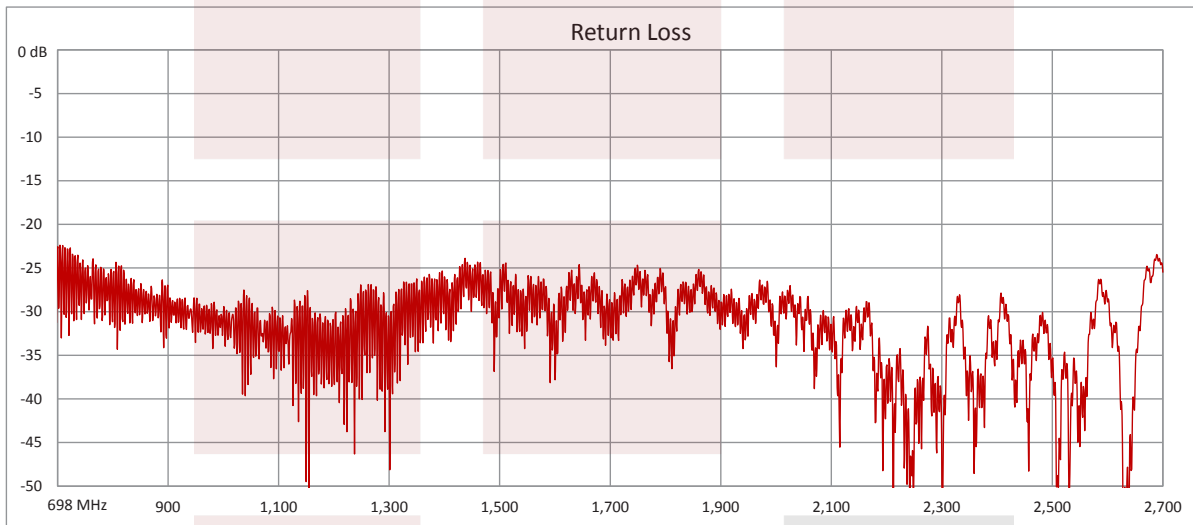
Notes:

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	-165.3 dBc	Pass

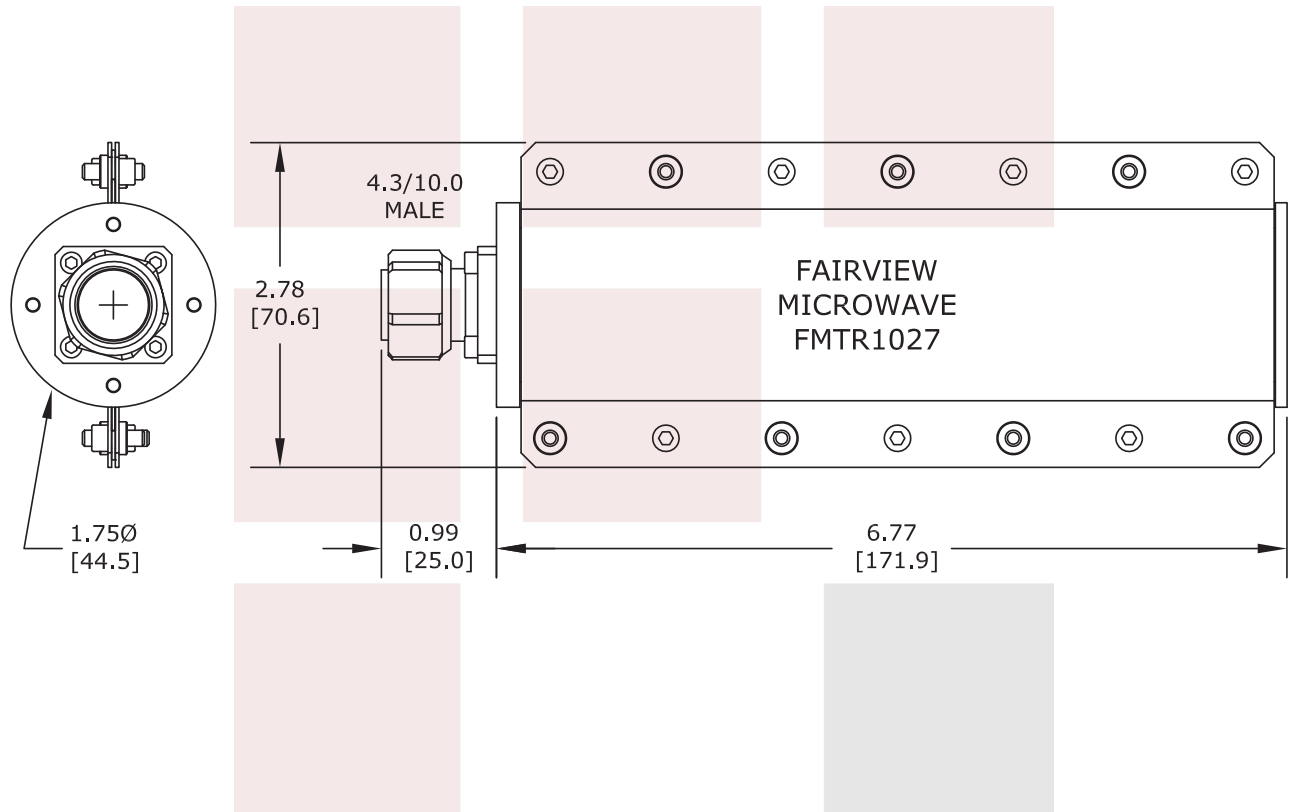


RF Load 40 Watts Medium Power To 2.7 GHz Low PIM Black Anodized Aluminum 4.3-10 Male from Fairview Microwave is in-stock and available to ship same-day. All of our RF/microwave products are available off-the-shelf from our ISO 9001:2008 certified facilities in Allen, Texas. Fairview Microwave is RF on-demand.

For additional information on this product, please click the following link: [RF Load 40 Watts Medium Power To 2.7 GHz Low PIM Black Anodized Aluminum 4.3-10 Male FMTR1027](#)

URL: <https://www.fairviewmicrowave.com/rf-load-40-watts-2.7-ghz-low-pim-4.3-10-male-fmtr1027-p.aspx>

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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 40 Watts Medium Power To 2.7 GHz Low PIM Black Anodized Aluminum 4.3-10 Male		DWG NO FMTR1027		CAGE CODE 3FKR5	
CAD FILE	052716	SHEET	SCALE	N/A	SIZE A 2233