

## RF Load 1 Watts to 67 GHz with Chain 1.85mm Male

RF termination (also called RF load or dummy load) FMTR1101 from Fairview Microwave operates from DC to 67 GHz and handles up to 1 Watt (CW). This 1.85mm termination (or load) is a 50 Ohm impedance and has a Male gender. FMTR1101 50 Ohm 1.85mm load termination offers 1.60:1 max VSWR.

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



### Features:

- 50 Ohm RF Load
- DC to 67 GHz Frequency Range
- VSWR 1.60:1 Max
- Max Power 1 Watt (CW)
- 1.85mm Male Coaxial Interface
- With Beaded Chain

### Applications:

- Wireless
- SatCom
- Radar Systems
- Test and Measurement
- Commercial and Military Communication

### Electrical Specifications

Description	Min	Typ	Max	Units
Frequency Range	DC		67	GHz
Impedance		50		Ohms
VSWR			1.6:1	
Input Power (CW)			1	Watt

### Mechanical Specifications

<b>Size</b>		
Length		0.77 in [19.56 mm]
Width		0.31 in [7.87 mm]

#### Configuration

Connector	1.85mm Male
Hex Size	5/16 inch
Durability	500 Cycles

### Material Specifications

Description	Material	Plating
Connector 1 Contact	Beryllium Copper	Gold
Body	Passivated Stainless Steel	
Coupling Nut	Passivated Stainless Steel	
Chain	Brass	Tri-Metal

Mechanical Specification Notes:  
Interface: IEEE 287; IEC60169-32

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**Environmental Specifications**

**Temperature**

Operating Range	-40 to +105 deg C
Humidity	MIL-STD-202, Method 106
Thermal Shock	MIL-STD-202, Method 107, Condition B
Salt Spray	MIL-STD-202, Method 101, Condition B

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

**Plotted and Other Data**

Notes:

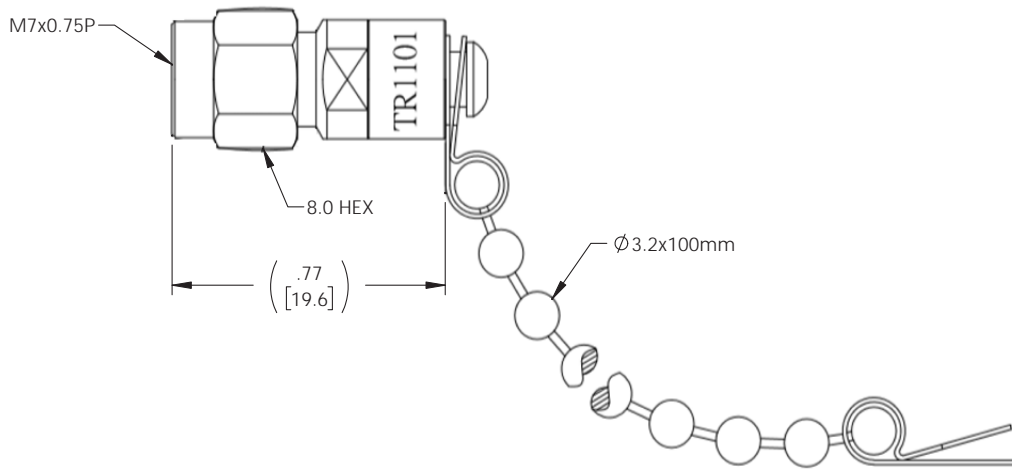
RF Load 1 Watts to 67 GHz with Chain 1.85mm Male from Fairview Microwave is in-stock and available to ship same-day. All of our RF/microwave products are available off-the-shelf from our ISO 9001:2008 certified facilities in Lewisville, Texas. Fairview Microwave is RF on-demand.

For additional information on this product, please click the following link: [RF Load 1 Watts to 67 GHz with Chain 1.85mm Male FMTR1101](#)

URL: <https://www.fairviewmicrowave.com/rf-load-1-watts-67-ghz-chain-1.85mm-male-fmtr1101-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.

REVISIONS			
REV.	DESCRIPTION	DATE	APPROVED
A	INITIAL RELEASE	01/04/2021	SPONG



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TITLE  
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UNLESS OTHERWISE SPECIFIED LEADING DIMENSIONS ARE INCHES DIMENSIONS IN [ ] ARE MILLIMETERS		THIRD-ANGLE PROJECTION	
TOLERANCES:		CABLE LENGTH (L) TOLERANCES:	
.X = ± 2 [5.08]	FRACTIONS ± 1/32	L ≤ 12 [305] = +1 [25] / -0	<p>THE INFORMATION AND DESIGN IN THIS DOCUMENT IS THE PROPERTY OF FAIRVIEW MICROWAVE CORPORATION. ALL RIGHTS RESERVED.</p>
.XX = ± 0.2 [5.1]	ANGLES ± 1°	12 [305] < L ≤ 60 [1524] = +2 [51] / -0	
.XXX = ± 0.005 [0.13]		60 [1524] < L ≤ 120 [3048] = +4 [102] / -0	
		120 [3048] < L ≤ 300 [7620] = +6 [152] / -0 300 [7620] < L = +5%L / -0	
ALL DIMENSIONS SHOWN ARE FOR REFERENCE ONLY.			
SIZE A	CAGE CODE 3FKR5	DRAWN BY DFRISIELLO	ITEM NO. FMTR1101
SHEET 1 OF 1		SCALE N/A	
REV A			

T-Rev.D