

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

RF termination (also called RF load or dummy load) FMTR1100 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. FMTR1100 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

### 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	

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

### Environmental Specifications

<b>Temperature</b>	
Operating Range	-55 to +105 deg C

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Humidity  
Thermal Shock  
Salt Spray

MIL-STD-202, Method 106  
MIL-STD-202, Method 107, Condition B  
MIL-STD-202, Method 101, Condition B

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

**Plotted and Other Data**

Notes:

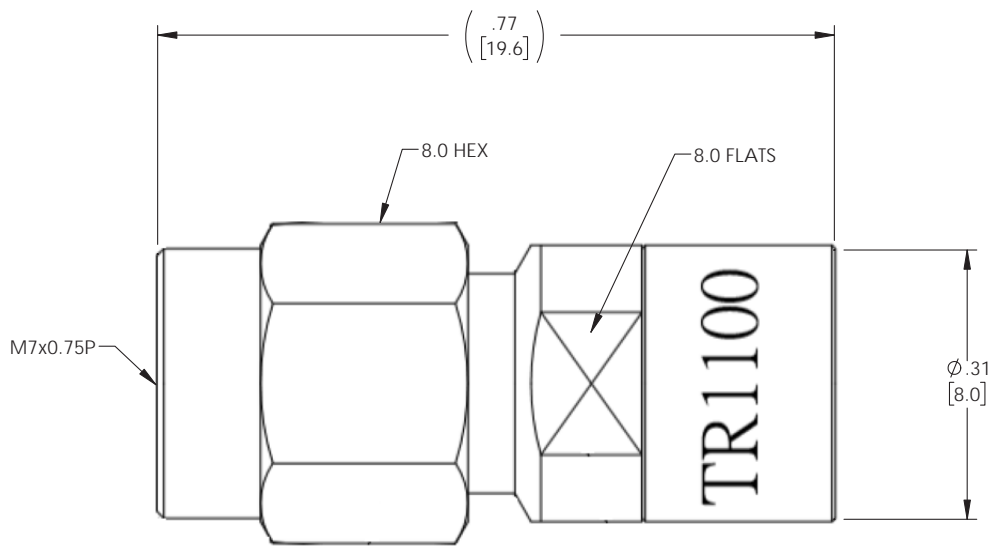
RF Load 1 Watts to 67 GHz 1.85mm Male from Fairview Microwave is in-stock and available to ship same-day. All of our RF/microwave products are available off-the-shelf from our ISO 9001:2008 certified facilities in Lewisville, Texas. Fairview Microwave is RF on-demand.

For additional information on this product, please click the following link: [RF Load 1 Watts to 67 GHz 1.85mm Male FMTR1100](#)

URL: <https://www.fairviewmicrowave.com/rf-load-1-watts-67-ghz-1.85mm-male-fmtr1100-p.aspx>

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REVISIONS			
REV.	DESCRIPTION	DATE	APPROVED
A	INITIAL RELEASE	12/28/2020	SPONG



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TITLE  
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UNLESS OTHERWISE SPECIFIED LEADING DIMENSIONS ARE INCHES  
DIMENSIONS IN [ ] ARE MILLIMETERS

TOLERANCES:		CABLE LENGTH (L) TOLERANCES:	
.X = ± 2 [5.08]	FRACTIONS ± 1/32	L ≤ 12 [305]	= +1 [25] / -0
.XX = ± 0.02 [ .51]	ANGLES ± 1°	12 [305] < L ≤ 60 [1524]	= +2 [51] / -0
.XXX = ± 0.005 [ .13]		60 [1524] < L ≤ 120 [3048]	= +4 [102] / -0
		120 [3048] < L ≤ 300 [7620]	= +6 [152] / -0
		300 [7620] < L	= +5%L / -0

THIRD-ANGLE PROJECTION  
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SHEET 1 OF 1

ALL DIMENSIONS SHOWN ARE FOR REFERENCE ONLY.

SCALE N/A

SIZE	CAGE CODE	DRAWN BY	ITEM NO.	REV
A	3FKR5	DFRISIELLO	FMTR1100	A

T-Rev.D