

FMTR1107 DATA SHEET

RF Load 1 Watts to 40 GHz with Chain 2.92mm Male

RF termination (also called RF load or dummy load) FMTR1107 from Fairview Microwave operates from DC to 40 GHz and handles up to 1 Watt (CW). This 2.92mm termination (or load) is a 50 Ohm impedance and has a Male gender. FMTR1107 50 Ohm 2.92mm load termination offers 1.15:1 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).

Electrical Specifications

Description	Min	Тур	Max	Units
Frequency Range	DC		40	GHz
Impedance		50		Ohms
VSWR			1.15:1	
Input Power (CW)			1	Watt

Mechanical Specifications

Size Length Width	0.8 in [20.32 mm] 0.31 in [7.87 mm]
Configuration Connector Hex Size Durability	2.92mm Male 5/16 inch 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; IEC 60169-35



Features:

- 50 Ohm RF Load
- DC to 40 GHz Frequency Range
- VSWR 1.15:1 Max
- Max Power 1 Watt (CW)
- 2.92mm Male Coaxial Interface
- With Beaded Chain

Applications:

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

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Environmental Specifications

Temperature Operating Range Humidity Thermal Shock Salt Spray

-40 to +105 deg C 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 40 GHz with Chain 2.92mm 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 40 GHz with Chain 2.92mm Male FMTR1107

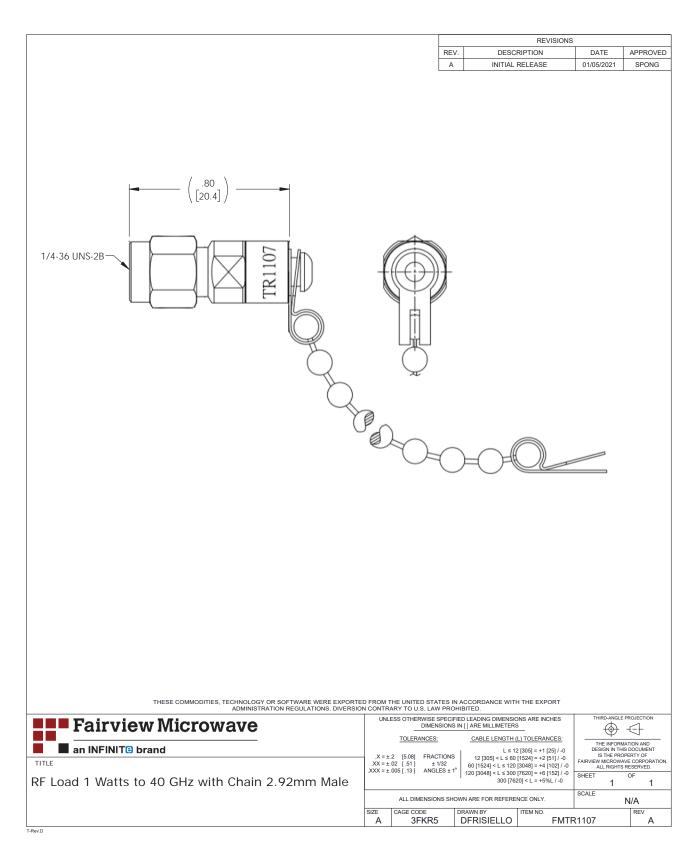
URL: https://www.fairviewmicrowave.com/rf-load-1-watts-40-ghz-chain-2.92mm-male-fmtr1107-p.aspx

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