

TNC Male (Plug) Termination (Load) 2 Watts DC to 12 GHz, Brass Body, 1.2:1 VSWR

Fairview Microwave's FMTR1147 is an RF termination (also called RF load or dummy load) that operates from DC to 12 GHz and handles up to 2 Watt (CW). Our TNC termination / load has a male gender. FMTR1147 TNC load termination offers 1.2:1 max VSWR.

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 using a terminator on 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, circulators, and switches. 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 Watt (CW).

Electrical Specifications

Description	Min	Typ	Max	Units
Frequency Range	DC		12	GHz
Impedance		50		Ohms
VSWR			1.2:1	
Input Power (CW) Derated linearly to 1W at +165°C			2	Watts
DWV (DC)			1,500	Vdc
Operating Voltage (DC)			500	Vdc

Mechanical Specifications

Size	
Length	0.756 in [19.2 mm]
Width	0.551 in [14 mm]
Height	0.551 in [14 mm]
Weight	0.04 lbs [18.14 g]
Package Type	Connectorized

Configuration

Connector	TNC Male
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Material Specifications

Description	Material	Plating
Connector 1 Contact	Beryllium Copper	Gold
Insulation	Teflon	
Body	Brass	Copper-Tin-Zinc Alloy
Coupling Nut	Brass	Copper-Tin-Zinc Alloy



Features:

- DC to 12 GHz Frequency Range
- 50 Ohm Impedance
- TNC Male Coaxial Interface
- Max VSWR 1.2:1
- Max Power 2 Watts (CW)

Applications:

- WIFI 6E
- 5G Cellular bands
- SatCom
- Radar Systems
- Test and Measurement
- Commercial and Military Communication

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Environmental Specifications

Temperature

Operating Range	-55 to +165 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:

TNC Male (Plug) Termination (Load) 2 Watts DC to 12 GHz, Brass Body, 1.2:1 VSWR 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: [TNC Male \(Plug\) Termination \(Load\) 2 Watts DC to 12 GHz, Brass Body, 1.2:1 VSWR FMTR1147](#)

URL: <https://www.fairviewmicrowave.com/2-watts-12-ghz-tnc-male-fmtr1147-p.aspx>

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