

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

Fairview Microwave's FMTR1148 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 female gender. FMTR1148 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).



Features:

- DC to 12 GHz Frequency Range
- 50 Ohm Impedance
- TNC Female 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

Electrical Specifications

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

Mechanical Specifications

Size	
Length	0.902 in [22.91 mm]
Width	0.433 in [11 mm]
Height	0.433 in [11 mm]
Weight	0.025 lbs [11.34 g]
Package Type	Connectorized

Configuration

Connector	TNC Female
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Material Specifications

Description	Material	Plating
Connector 1 Contact	Phosphor Bronze	Gold
Insulation	Teflon	
Body	Brass	Copper-Tin-Zinc Alloy

Environmental Specifications

Temperature

Operating Range	-55 to +165 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:

TNC Female (Jack) 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 Female \(Jack\) Termination \(Load\) 2 Watts DC to 12 GHz, Brass Body, 1.2:1 VSWR FMTR1148](#)

URL: <https://www.fairviewmicrowave.com/2-watts-12-ghz-tnc-female-fmtr1148-p.aspx>

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