

**N-type Female (Jack) Termination (Load) 50 Watts,  
0.4 GHz to 6 GHz, Low PIM Black Anodized Aluminum**

Fairview Microwave’s FMTR1150 is a high power RF cable termination (also called RF load or dummy load) that operates from 400 to 6,000 MHz and handles up to 50 Watts (CW). Our N termination / load is a 50 Ohm impedance and has a female gender. FMTR1150 load termination offers 1.25:1 VSWR and low PIM (passive intermodulation) of -168 dBc typical. This Fairview Microwave 50 Watts terminator has a heatsink body which is designed to provide adequate heat dissipation within its full frequency of operation.

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 terminating 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, hybrids, and combiners. 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 Watts (CW).

**Electrical Specifications**

Description	Min	Typ	Max	Units
Frequency Range	0.4		6	GHz
Impedance		50		Ohms
VSWR		1.25:1		
Passive Intermodulation 2x43dBm		-168	-160	dBc
Input Power (CW)			50	Watts
Input Power (Peak) 8% duty cycle, 20us PW			600	Watts

**Mechanical Specifications**

<b>Size</b>	
Length	5.12 in [130.05 mm]
Width	3.78 in [96.01 mm]
Height	2.8 in [71.12 mm]
Weight	2.2 lbs [997.9 g]
Package Type	Connectorized

**Configuration**

Connector	N Female
Termination Design	RF Load



**Features:**

- 50 Ohm Impedance
- 400 to 6,000 MHz Frequency Range
- VSWR 1.25:1
- Max Power 50 Watts (CW)
- PIM rating -168dBc Typical
- N Female Coaxial Interface

**Applications:**

- Wireless
- SatCom
- Test and Measurement
- Commercial and Military Communication
- Base Station
- 4G/AWS/PCS

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**Material Specifications**

Description	Material	Plating
Connector 1 Contact	Beryllium Copper	Gold
Body	Brass	Tri-Metal
Housing	Black Anodized Aluminum Heatsink	

**Environmental Specifications**

**Temperature**

Operating Range -40 to +75 deg C  
 Storage Range -50 to +85 deg C

Humidity <95%  
 Shock IEC 60068-2-27  
 Vibration IEC 60068-2-6-Fc  
 Altitude <5000m  
 Thermal Shock IEC 60068 -2-14-Na

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

**Plotted and Other Data**

Notes:

N-type Female (Jack) Termination (Load) 50 Watts, 0.4 GHz to 6 GHz, Low PIM Black Anodized Aluminum 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: [N-type Female \(Jack\) Termination \(Load\) 50 Watts, 0.4 GHz to 6 GHz, Low PIM Black Anodized Aluminum FMTR1150](#)

URL: <https://www.fairviewmicrowave.com/rf-load-50-watts-6-ghz-low-pim-n-female-fmtr1150-p.aspx>

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