

N-Type Female (Jack) Termination (Load) 2 Watts, DC to 18 GHz, Brass

FMTR1170

Features

- DC to 18 GHz Frequency Range
- VSWR <1.2:1

Applications

- Wireless
- SatCom
- Radar Systems

- Max Power 2 Watt (CW)
- · N-Type Female Coaxial Interface
- · Test and Measurement
- · Commercial and Military Communications

Description

Fairview Microwave's FMTR1170 is an RF termination (also called RF load or dummy load) that operates from DC to 18 GHz and handles up to 2 Watt (CW). Our N-Type termination/load has a female gender. FMTR1170 N-Type load termination offers 1.2:1 VSWR max.

RF load / termination are indispensable components in many RF, microwave and millimeter wave systems where signal reflections from unused ports can potentially damage the device or reduce the signal integrity. By using a terminafrom 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 | Minimum | Typical | Maximum | Units |
|--------------------------------------|---------|---------|---------|-------|
| Frequency Range | DC | | 18 | GHz |
| Impedance | | 50 | | Ohms |
| VSWR, Input | | | 1.2:1 | |
| Input Power (CW) | | | 2 | Watts |
| Derated linearly to 1.5W @ 105°C | | | | |
| Dielectric Withstanding Voltage (AC) | | | 2,500 | Vrms |
| Operating Voltage (AC) | | | 1,000 | Vrms |

Mechanical Specifications

Size

 Length
 1.043 in [26.49 mm]

 Width
 0.622 in [15.8 mm]

 Height
 0.622 in [15.8 mm]

 Weight
 0.07 lbs [31.75 g]

Configuration

Connector N Female

Mating Torque 6 to 10 in-lbs [0.68 to 1.13 Nm]



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Material Specifications

| Description | Material | Plating | |
|---------------------|------------------|-----------------------|--|
| Connector 1 Contact | Beryllium Copper | Gold over nickel | |
| Insulation | PPO | | |
| Connector 1 Body | Brass | Copper-Tin-Zinc Alloy | |

Environmental Specifications

Temperature

Operating Range -40 to +70 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:

N-Type Female (Jack) Termination (Load) 2 Watts, DC to 18 GHz, Brass 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) 2 Watts, DC to 18 GHz, Brass FMTR1170

URL: https://www.fairviewmicrowave.com/rf-load-2-watts-18-ghz-n-female-fmtr1170-p.aspx

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