

2.2-5 Male (Plug) Termination (Load) 10 Watts DC to 6 GHz, Brass Body, 1.25:1 VSWR

Fairview Microwave's PE6TR1163 is an RF termination (also called RF load or dummy load) that operates from DC to 6 GHz and handles up to 10 Watt (CW). Our 2.2-5 termination / load has a male gender. PE6TR1163 2.2-5 load termination offers 1.25:1 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 | | 6 | GHz |
| Impedance | | 50 | | Ohms |
| VSWR | | | 1.25:1 | |
| Input Power (CW) | | | 10 | Watts |
| Input Power (Peak) 8% Duty Cycle, 20us PW | | | 100 | Watts |

Mechanical Specifications

Size

| | |
|--------------|--------------------|
| Length | 1.61 in [40.89 mm] |
| Width | 0.63 in [16 mm] |
| Height | 0.63 in [16 mm] |
| Weight | 1.1 lbs [498.95 g] |
| Package Type | Connectorized |

Configuration

| | |
|--------------------|------------|
| Connector | 2.2-5 Male |
| Termination Design | RF Load |

Material Specifications

| Description | Material | Plating |
|---------------------|------------------|-----------------------|
| Connector 1 Contact | Beryllium Copper | Silver |
| Insulation | PTFE | |
| Body | Brass | Copper-Tin-Zinc Alloy |
| Housing | Brass | Tri-Metal |



Features:

- DC to 6 GHz Frequency Range
- 50 Ohm Impedance
- 2.2-5 Male Coaxial Interface
- Max VSWR 1.25:1
- Max Power 10 Watts (CW)

Applications:

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

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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:

2.2-5 Male (Plug) Termination (Load) 10 Watts DC to 6 GHz, Brass Body, 1.25:1 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: [2.2-5 Male \(Plug\) Termination \(Load\) 10 Watts DC to 6 GHz, Brass Body, 1.25:1 VSWR FMTR1163](#)

URL: <https://www.fairviewmicrowave.com/10-watts-6-ghz-fmtr1163-p.aspx>

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