

NEX10 Male (Plug) Termination (Load)  
10 Watts, DC to 6 GHz, Aluminum



**FMTR1161**

**Features**

- DC to 6 GHz Frequency Range
- 50 Ohm Impedance
- NEX10 Male Coaxial Interface
- Max VSWR 1.20:1
- Max Power 10 Watts (CW)

**Applications**

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

**Description**

Fairview Microwave's FMTR1161 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 NEX10 termination / load has a male gender. FMTR1161 NEX10 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. Pasternack 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		6	GHz
Impedance		50		Ohms
VSWR, Input			1.2:1	
Input Power (CW)			10	Watts
Input Power (Peak)			100	Watts
20µs pulse, 8% duty cycle				

**Mechanical Specifications**

**Size**

Length	1.76 in [44.7 mm]
Width	0.63 in [16 mm]
Height	0.63 in [16 mm]
Weight	0.05 lbs [22.68 g]
Package Type	Connectorized

**Configuration**

Connector	NEX10 Male
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**Material Specifications**

Description	Material	Plating
Connector 1 Contact	Beryllium Copper	Silver

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**Material Specifications**

Description	Material	Plating
Insulation	PTFE	
Connector 1 Body	Brass	Tri-Metal
Housing	Aluminum	

**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:

NEX10 Male (Plug) Termination (Load) 10 Watts, DC to 6 GHz, 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: [NEX10 Male \(Plug\) Termination \(Load\) 10 Watts, DC to 6 GHz, Aluminum FMTR1161](#)

URL: <https://www.fairviewmicrowave.com/rf-load-10-watts-6-ghz-nex10-male-fmtr1161-p.aspx>

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# FMTR1161 CAD Drawing

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