

2 Watt RF Load DC to 18 GHz with TNC Male Input Passivated Stainless Steel Body



PE6089A

Features

- DC to 18 GHz Frequency Range
- 50 Ohm Impedance
- TNC Male Coaxial Interface
- Max VSWR 1.2:1
- Max Power 2 Watts (CW)

Applications

- Instrumentation
- Precision Measurements
- Prototyping and Characterization
- Production Systems

Description

Pasternack's PE6089A 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 TNC termination / load has a male gender. PE6089A 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. L-com 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
2W average power from -55°C to 70°C linearly derated to 1 Watt at 165°C				
Dielectric Withstanding Voltage (AC)			1,500	Vrms
Operating Voltage (AC)			500	Vrms

Mechanical Specifications

Size

Length	0.76 in [19.3 mm]
Width	0.55 in [13.97 mm]
Height	0.55 in [13.97 mm]
Weight	0.01 lbs [4.54 g]

Configuration

Connector	TNC Male
Connector Specification	MIL-STD-348A

Material Specifications

Description	Material	Plating
Connector 1 Contact	Beryllium Copper	Gold

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Material Specifications

Description	Material	Plating
Insulation	Teflon	
Gasket	Silicone	
Connector 1 Body	Passivated Stainless Steel	
Coupling Nut	Brass	Tri-Metal over Copper
Housing	Passivated Stainless Steel	

Environmental Specifications

Temperature	
Operating Range	-65 to +165 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:

2 Watt RF Load DC to 18 GHz with TNC Male Input Passivated Stainless Steel Body from Pasternack Enterprises has same day shipment for domestic and International orders. Our RF, microwave and millimeter wave products maintain a 99.4% availability and are part of the broadest selection in the industry.

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [2 Watt RF Load DC to 18 GHz with TNC Male Input Passivated Stainless Steel Body PE6089A](#)

URL: <https://www.pasternack.com/2-watts-tnc-male-rf-load-18-ghz-pe6089a-p.aspx>

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PE6089A CAD Drawing
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