



2 Watt RF Load with Chain Up to 6 GHz with TNC Male Tri-Metal Plated Brass

RF Terminations Technical Data Sheet

PE6TR014

Features

- DC to 6 GHz Frequency Range
- VSWR 1.2:1 Max
- Max Power 2 Watts (CW)
- TNC Male Coaxial Interface
- Includes Beaded Chain

Applications

- Wireless
- Radar Systems
- Commercial and Military Communication
- SatCom
- Test and Measurement

Description

RF termination (also called RF load or dummy load) PE6TR014 from Pasternack operates from DC to 6 GHz and handles up to 2 Watts (CW). This TNC termination (or load) has a male gender. PE6TR014 TNC load termination offers 1.2:1 max VSWR.

RF terminations / loads are critical passive components in many RF, microwave and millimeter wave systems where signal reflection from unused ports can reduce the signal integrity and can potentially damage the device. By terminating an unused port with a matched load (dummy load), the incident energy will be absorbed with minimal reflection. These radio frequency termination components are commonly used to terminate devices such as couplers, circulators, and switches. Loads / terminations are also widely used in measurement systems to ensure accurate results. Pasternack offers a large selection of in-stock RF, microwave and millimeter wave terminations up to 65 GHz with great performance over the entire operating range and with power handling capabilities up to 800 Watts (CW).

Electrical Specifications

Description	Minimum	Typical	Maximum	Units
Frequency Range	DC		6	GHz
Impedance		50		Ohms
VSWR			1.2:1	
Input Power (CW) derated linearly to 1W at +125°C			2	Watts
Input Power (Peak) 50 µsec duration			1	KWatts

Mechanical Specifications

Size	
Length	1.1 in [27.94 mm]
Width	0.63 in [16 mm]
Weight	0.014 lbs [6.35 g]

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 with Chain Up to 6 GHz with TNC Male Tri-Metal Plated Brass PE6TR014](#)



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Configuration

Connector
Hex Size

TNC Male
14 mm

Material Specifications

Description	Material	Plating
Connector 1 Contact	Brass	Gold
Insulation	PTFE	
Body	Brass	Tri-Metal
Coupling Nut	Brass	Tri-Metal
Housing	Brass	Tri-Metal
Chain	Brass	Nickel

Environmental Specifications

Temperature

Operating Range

-55 to +125 deg C

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

Plotted and Other Data

Notes:

2 Watt RF Load with Chain Up to 6 GHz with TNC Male Tri-Metal Plated Brass 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.

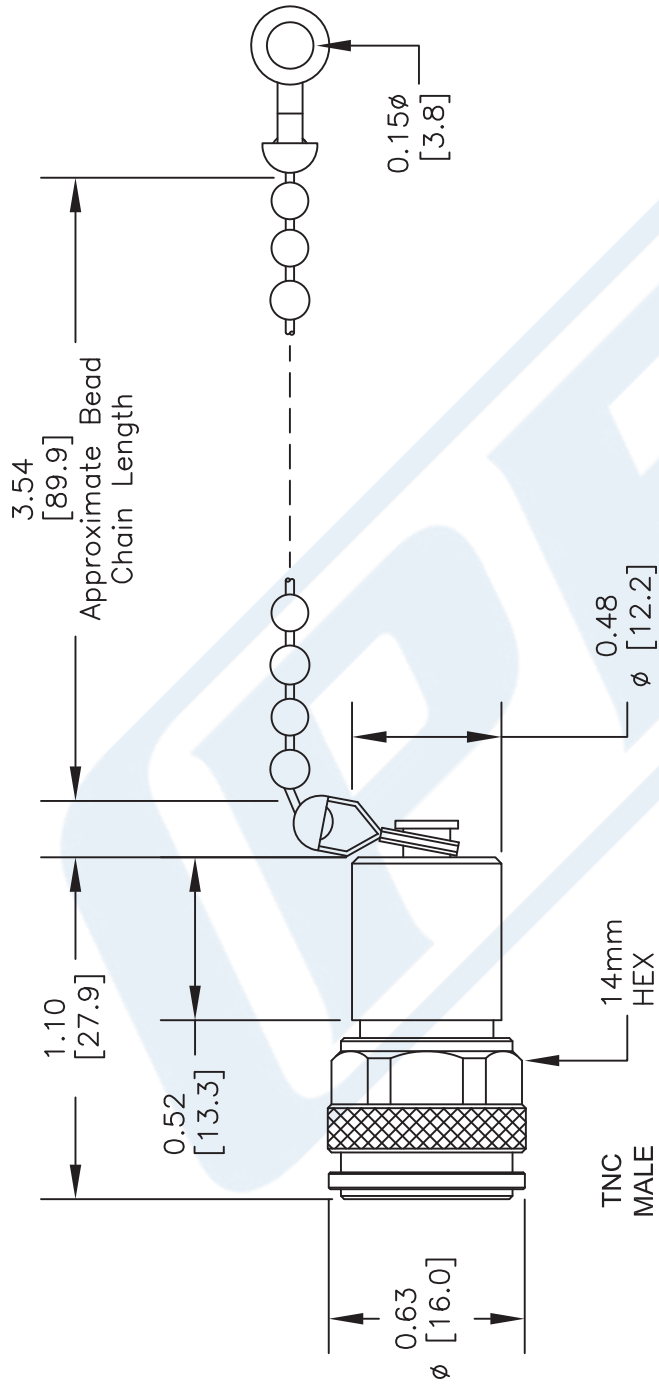
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URL: <https://www.pasternack.com/2-watts-tnc-male-rf-load-6-ghz-pe6tr014-p.aspx>

The information contained in this document is accurate to the best of our knowledge and representative of the part described herein. It may be necessary to make modifications to the part and/or the documentation of the part, in order to implement improvements. Pasternack reserves the right to make such changes as required. Unless otherwise stated, all specifications are nominal. Pasternack does not make any representation or warranty regarding the suitability of the part described herein for any particular purpose, and Pasternack does not assume any liability arising out of the use of any part or documentation.

PE6TR014 CAD Drawing

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STANDARD TOLERANCES

.X ±0.2
.XX ±0.1
.XXX ±0.05

*STANDARD TOLERANCES APPLY
ONLY TO DIMENSIONS IN INCHES

PE PASTERNAK®
THE ENGINEER'S RF SOURCE

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DWG TITLE

PE6TR014

NOTES:
1. UNLESS OTHERWISE SPECIFIED ALL DIMENSIONS ARE NOMINAL.
2. ALL SPECIFICATIONS ARE SUBJECT TO CHANGE WITHOUT NOTICE AT ANY TIME.
3. DIMENSIONS ARE IN INCHES [mm].

CAGE CODE 53919

CAD FILE 051617

SCALE N/A

SIZE A

2233