



2 Watt 50ohm SMB Plug Termination 4GHz VSWR1.2

RF Terminations Technical Data Sheet

PE6TR042

Features

- DC to 4 GHz Frequency Range
- Max Power 2 Watt (CW)
- SMB Plug Coaxial Interface
- Max VSWR 1.2:1
- 50ohm Impedance
- Quick Snap-on Coupling

Applications

- Test and Measurement
- Base Stations
- Commercial and Military Communication
- Antenna Systems
- GPS Systems

Description

RF termination (also called RF load or dummy load) PE6TR042 from Pasternack operates from DC to 4 GHz and handles up to 2 Watts (CW). This SMB termination (or load) is a 50 Ohm impedance and has a Plug gender. PE6TR042 50 Ohm SMB 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 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		4	GHz
Impedance		50		Ohms
VSWR			1.2:1	
Input Power (CW)			2	Watts

Mechanical Specifications

Size	
Length	0.74 in [18.8 mm]
Width	0.3 in [7.62 mm]
Weight	0.0269 lbs [12.2 g]

Configuration

Connector	SMB Plug
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Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [2 Watt 50ohm SMB Plug Termination 4GHz VSWR1.2 PE6TR042](#)



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Material Specifications

Description	Material	Plating
Connector 1 Contact	Beryllium Copper	Gold 4μ in. minimum
Insulation	PTFE	
Body	Brass	Gold
Coupling Nut	Brass	Tri-Metal

Environmental Specifications

Temperature

Operating Range -55 to +165 deg C

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

Plotted and Other Data

Notes:

2 Watt 50ohm SMB Plug Termination 4GHz VSWR1.2 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 50ohm SMB Plug Termination 4GHz VSWR1.2 PE6TR042](#)

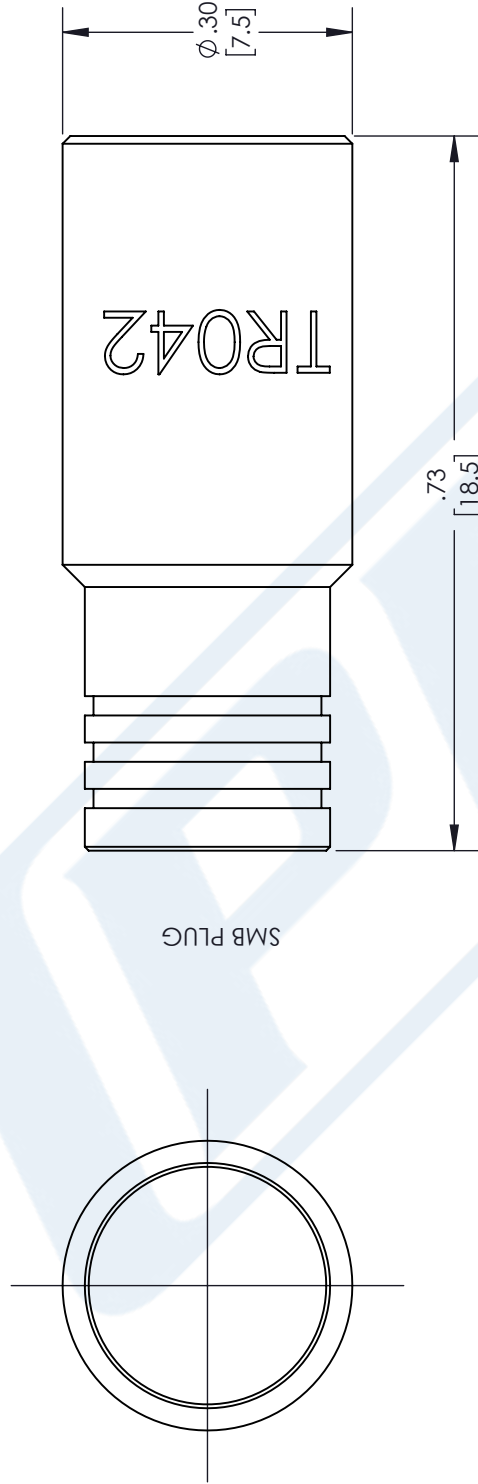
URL: <https://www.pasternack.com/2-watts-smb-plug-rf-load-4-ghz-pe6tr042-p.aspx>

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.

PE6TR042 CAD Drawing

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REVISIONS			
REV.	DESCRIPTION	DATE	APPROVED
A	INITIAL RELEASE	23-08-2021	SPONG



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UNLESS OTHERWISE SPECIFIED LEADING DIMENSIONS ARE INCHES DIMENSIONS IN [] ARE MILLIMETERS TOLERANCES: .X = ± .2 [5.08] .XX = ± .02 [.51] .XXX = ± .005 [.13] CABLE LENGTH (L) TOLERANCES: L ≤ 12 [305] = +1 [25] / -0 12 [305] < L ≤ 60 [1524] = +2 [51] / -0 60 [1524] < L ≤ 120 [3048] = +4 [102] / -0 120 [3048] < L ≤ 300 [7620] = +6 [152] / -0 300 [7620] < L = +5% / -0 ALL DIMENSIONS SHOWN ARE FOR REFERENCE ONLY.	SIZE A CAGE CODE 53919 DRAWN BY MVEERAPPAN	ITEM NO. PE6TR042 REV A	

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