



## 10 Watt RF Load DC to 6 GHz With 2.2-5 Male Input Brass Body

### RF Terminations Technical Data Sheet

**PE6TR1163**

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

#### Description

Pasternack'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. 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			1.25:1	
Input Power (CW)			10	Watts
Input Power (Peak) 8% Duty Cycle, 20us PW			100	Watts

#### Mechanical Specifications

<b>Size</b>	
Length	1.61 in [40.89 mm]
Width	0.63 in [16 mm]
Height	0.63 in [16 mm]
Weight	0.11 lbs [49.9 g]
Package Type	Connectorized

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [10 Watt RF Load DC to 6 GHz With 2.2-5 Male Input Brass Body PE6TR1163](#)



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### 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

### 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:

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10 Watt RF Load DC to 6 GHz With 2.2-5 Male Input Brass 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: [10 Watt RF Load DC to 6 GHz With 2.2-5 Male Input Brass Body PE6TR1163](https://www.pasternack.com/10-watts-feed-thru-load-6-ghz-pe6tr1163-p.aspx)

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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.

# PE6TR1163 CAD Drawing

10 Watt RF Load DC to 6 GHz With 2.2-5 Male Input Brass Body

F

E

D

C

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C

B

A

1

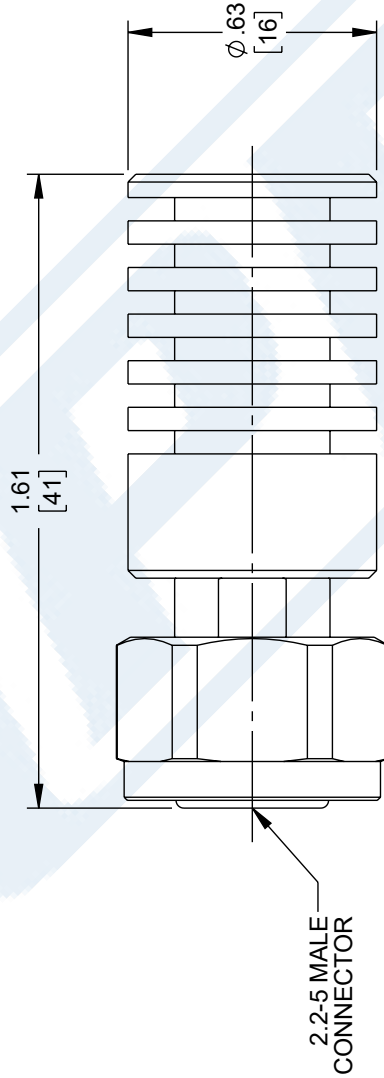
2

3

4

5

6



2.2-5 MALE  
CONNECTOR

## REVISION

ZONE	REV	DESCRIPTION	DATE	CHANGED BY	APPROVED
	A	INITIAL RELEASE	06/23/2023	DZINN	SPONG

UNLESS OTHERWISE SPECIFIED  
LEADING DIMENSIONS ARE IN INCHES  
DIMENSIONS IN [ ] ARE IN MILLIMETERS

TOLERANCES:  
X = ±.2 [5]  
XX = ±.02 [0.5]  
XXX = ±.005 [0.13]

FRACTIONS  
+ 1/32  
ANGLES ± 1°

CABLE LENGTH TOLERANCES:  
≤12 [305] = ±.1 [25] / -0  
>12 [305] ≤ 60 [1524] = ±.2 [51] / -0  
>60 [1524] ≤ 120 [3048] = ±.4 [102] / -0  
>120 [3048] ≤ 300 [7620] = ±.6 [152] / -0  
>300 [7620] = ±.5% / -0

ALL DIMENSIONS ARE FOR REFERENCE ONLY  
AND SUBJECT TO CHANGE WITHOUT NOTICE  
UNDIMENSIONED NON-CRITICAL FEATURES  
MAY VARY IN SIZE AND LOCATION

**PE PASTERNAK®**  
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Website: [www.Pasternack.com](http://www.Pasternack.com)  
Phone: 1.866.727.8376 | 1.949.261.1920

## DESCRIPTION

RF TERMINATION, 10W, 2.2-5 MALE, 6GHZ



INTERPRET ALL DIMENSIONS AND  
TOLERANCES PER ASME Y14.5

SCALE  
NONE

SHEET  
1 OF 1

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