



## 1 Watt RF Load Up to 4 GHz with SMA Male Gold Plated Brass

### RF Terminations Technical Data Sheet

PE6150

#### Features

- DC to 4 GHz Frequency Range
- VSWR 1.1:1 Max
- Max Power 1 Watt (CW)
- SMA Male Coaxial Interface

#### Applications

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

#### Description

Pasternack's PE6150 is an RF termination (also called RF load or dummy load) that operates from DC to 4 GHz and handles up to 1 Watt (CW). Our SMA termination / load has a male gender. PE6150 SMA load termination offers 1.1:1 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		4	GHz
Impedance		50		Ohms
VSWR			1.1:1	
Input Power (CW)			1	Watt

#### Mechanical Specifications

<b>Size</b>	
Length	0.815 in [20.7 mm]
Width	0.315 in [8 mm]
Weight	0.005 lbs [2.27 g]
<b>Configuration</b>	
Connector	SMA Male
Hex Size	5/16 inch
Mating Torque	5 in-lbs [0.57 Nm]

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [1 Watt RF Load Up to 4 GHz with SMA Male Gold Plated Brass PE6150](#)



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#### Material Specifications

Description	Material	Plating
Connector 1 Contact	Beryllium Copper	Gold
Insulation	PTFE	
Body	Brass	Gold
Coupling Nut	Brass	Gold
Housing	Brass	Gold

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

#### Plotted and Other Data

Notes:

1 Watt RF Load Up to 4 GHz with SMA Male Gold 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.

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [1 Watt RF Load Up to 4 GHz with SMA Male Gold Plated Brass PE6150](#)

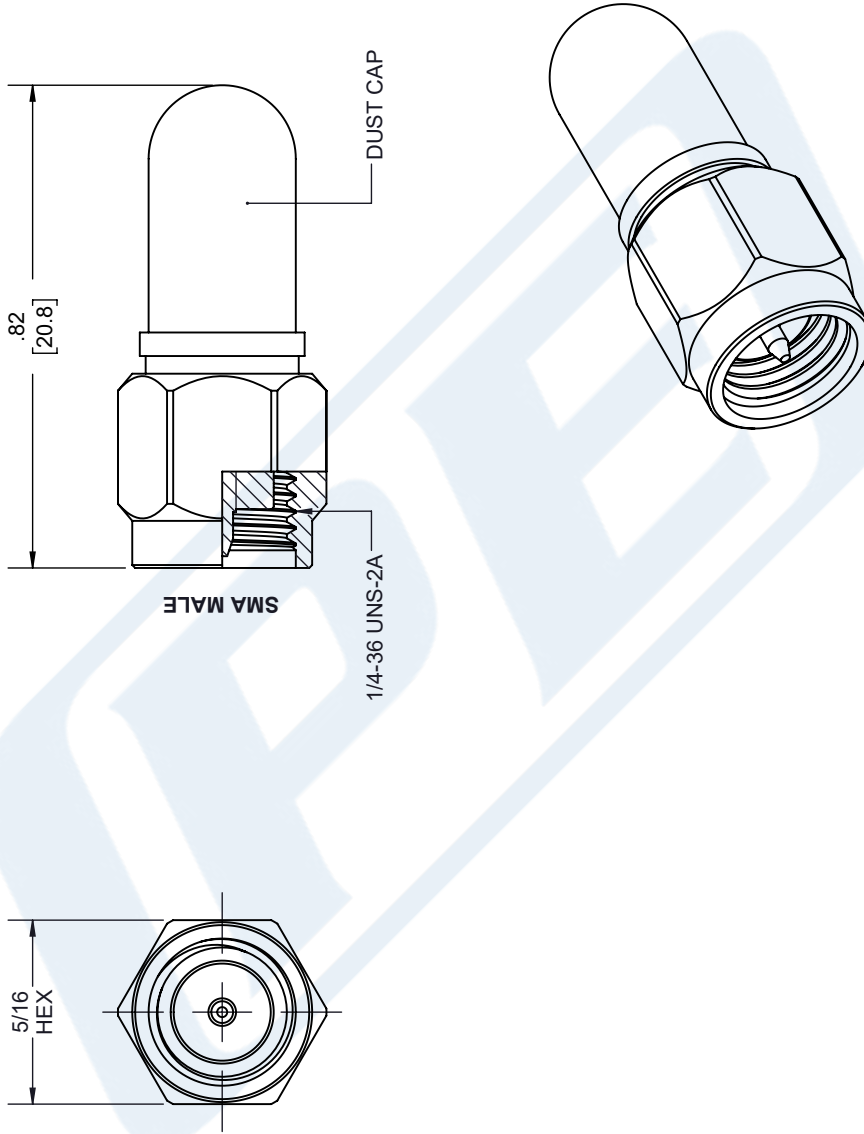
URL: <https://www.pasternack.com/1-watts-sma-male-rf-load-up-to-4-ghz-precision-pe6150-p.aspx>

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.

# PE6150 CAD Drawing

1 Watt RF Load Up to 4 GHz with SMA Male Gold Plated Brass

REVISIONS			
REV.	DESCRIPTION	DATE	APPROVED
A	PCR PE6150	3/1/2021	S. ELLIS



## NOTES:

1. DUST CAP COLOR MAY VARY.

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

TOLERANCES:

X = ± .2 [5.08] FRACTIONS  
.XX = ± .02 [ .51 ] ± 1/32  
.XXX = ± .005 [ .13 ] ANGLES ± 1°

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.

THIRD-ANGLE PROJECTION

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DESIGN IN THIS DOCUMENT  
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SHEET 1 OF 1

SCALE N/A

REV A

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an INFINITE brand

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SIZE A CAGE CODE 53919 DRAWN BY K.DANG ITEM NO. PE6150

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