



0.5 Watt RF Load Up to 40 GHz With Mini SMP
Male Input Gold Plated Beryllium Copper

RF Terminations Technical Data Sheet

PE6163

Features

- DC to 40 GHz Frequency Range
- VSWR 1.35:1 Max
- Max Power 0.5 Watt (CW)
- Mini SMP Male Coaxial Interface

Applications

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

Description

Pasternack's PE6163 is an RF termination (also called RF load or dummy load) that operates from DC to 40 GHz and handles up to 0.5 Watt (CW). Our Mini SMP termination / load has a male gender. PE6163 Mini SMP load termination offers 1.35:1 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 | | 40 | GHz |
| Impedance | | 50 | | Ohms |
| VSWR | | | 1.35:1 | |
| Input Power (CW) | | | 0.5 | Watts |

Mechanical Specifications

| | |
|----------------------|--------------------|
| Size | |
| Length | 0.33 in [8.38 mm] |
| Width | 0.14 in [3.56 mm] |
| Weight | 0.006 lbs [2.72 g] |
| Configuration | |
| Connector | Mini SMP Male |

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [0.5 Watt RF Load Up to 40 GHz With Mini SMP Male Input Gold Plated Beryllium Copper PE6163](#)



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Material Specifications

| Description | Material | Plating |
|---------------------|------------------|---------|
| Connector 1 Contact | | Gold |
| Insulation | PTFE | |
| Body | Beryllium Copper | Gold |
| Housing | Beryllium Copper | Gold |

Compliance Certifications (visit www.Pasternack.com for current document)

RoHS Compliant
REACH Compliant 12/17/2015

Plotted and Other Data

Notes:

0.5 Watt RF Load Up to 40 GHz With Mini SMP Male Input Gold Plated Beryllium Copper from Pasternack Enterprises has same day shipment for domestic and International orders. Our RF, microwave and millimeter wave products maintain a 99% availability and are part of the broadest selection in the industry.

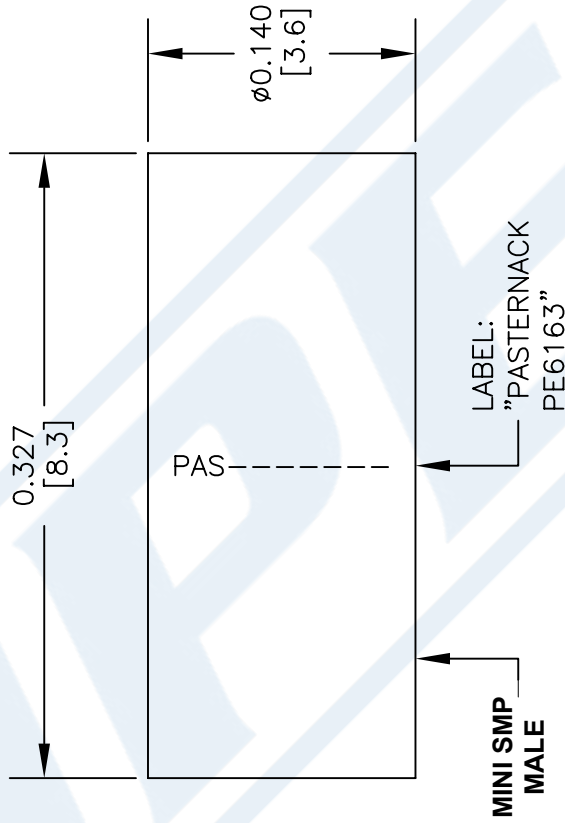
Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [0.5 Watt RF Load Up to 40 GHz With Mini SMP Male Input Gold Plated Beryllium Copper PE6163](http://www.pasternack.com/mini-smp-male-termination-05-watt-40-ghz-pe6163-p.aspx)

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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.

PE6163 CAD Drawing

0.5 Watt RF Load Up to 40 GHz With Mini SMP Male Input Gold Plated Beryllium Copper



STANDARD TOLERANCES

.X ±0.2
.XX ±0.1
.XXX ±0.05

*STANDARD TOLERANCES APPLY ONLY TO DIMENSIONS IN INCHES



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DWG TITLE

PE6163

FSCM NO. 53919

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].

CAD FILE 060916

SCALE N/A

SIZE A

3045