



## 1 Watt RF Load with Chain Up to 4 GHz with QMA Male

### RF Terminations Technical Data Sheet

**PE6TR1051**

#### Features

- 50 Ohm RF Load
- DC to 4 GHz Frequency Range
- VSWR 1.20:1 Max
- Max Power 1 Watt (CW)
- QMA Male Coaxial Interface

#### Applications

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

#### Description

RF termination (also called RF load or dummy load) PE6TR1051 from Pasternack operates from DC to 4 GHz and handles up to 1 Watt (CW). This QMA termination (or load) is a 50 Ohm impedance and has a Male gender. PE6TR1051 50 Ohm QMA load termination offers 1.20:1 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)      |         |         | 1       | Watts |
| Input Power (Peak)    |         |         | 100     | Watts |
| 1 $\mu$ sec PW, 1% DC |         |         |         |       |

#### Performance by Frequency

| Description     | F1      | F2     | F3 | F4 | F5 | Units |
|-----------------|---------|--------|----|----|----|-------|
| Frequency Range | DC to 1 | 1 to 4 |    |    |    | GHz   |
| VSWR, Typ       | 1.08:1  | 1.2:1  |    |    |    |       |

#### Mechanical Specifications

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 with Chain Up to 4 GHz with QMA Male PE6TR1051](#)



## 1 Watt RF Load with Chain Up to 4 GHz with QMA Male

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#### Configuration

Connector

QMA Male

#### Material Specifications

| Description         | Material | Plating   |
|---------------------|----------|-----------|
| Connector 1 Contact | Brass    | Gold      |
| Insulation          | PTFE     |           |
| Body                | Brass    | Tri-Metal |

#### Environmental Specifications

##### Temperature

Operating Range

-40 to +105 deg C

Storage Range

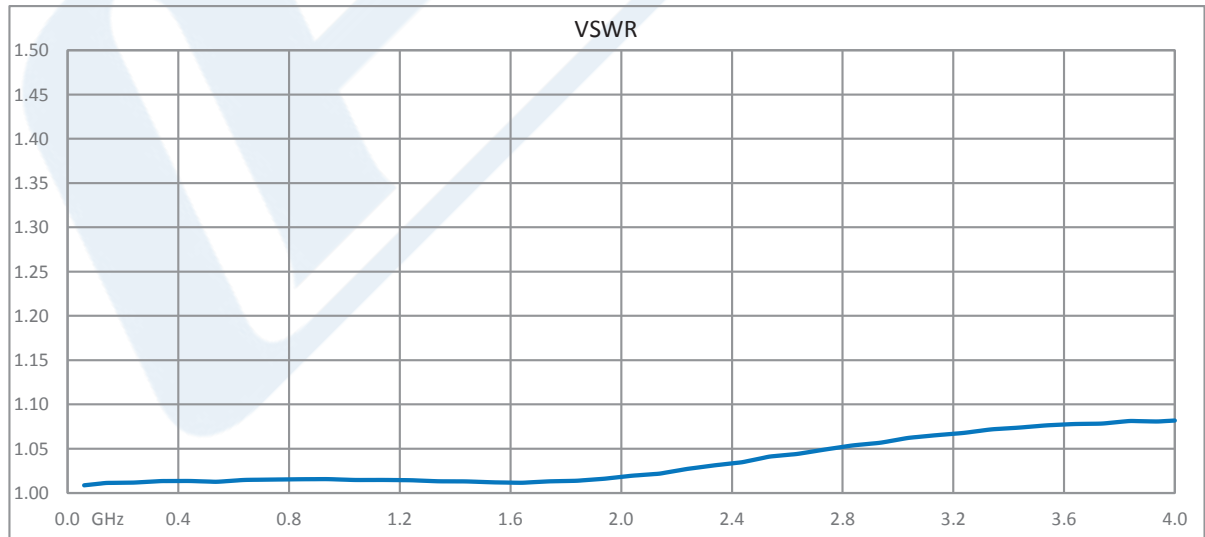
-40 to +105 deg C

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

#### Plotted and Other Data

Notes:

#### Typical Performance Data



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 with Chain Up to 4 GHz with QMA Male PE6TR1051](#)



## 1 Watt RF Load with Chain Up to 4 GHz with QMA Male

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**PE6TR1051**

1 Watt RF Load with Chain Up to 4 GHz with QMA Male 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.

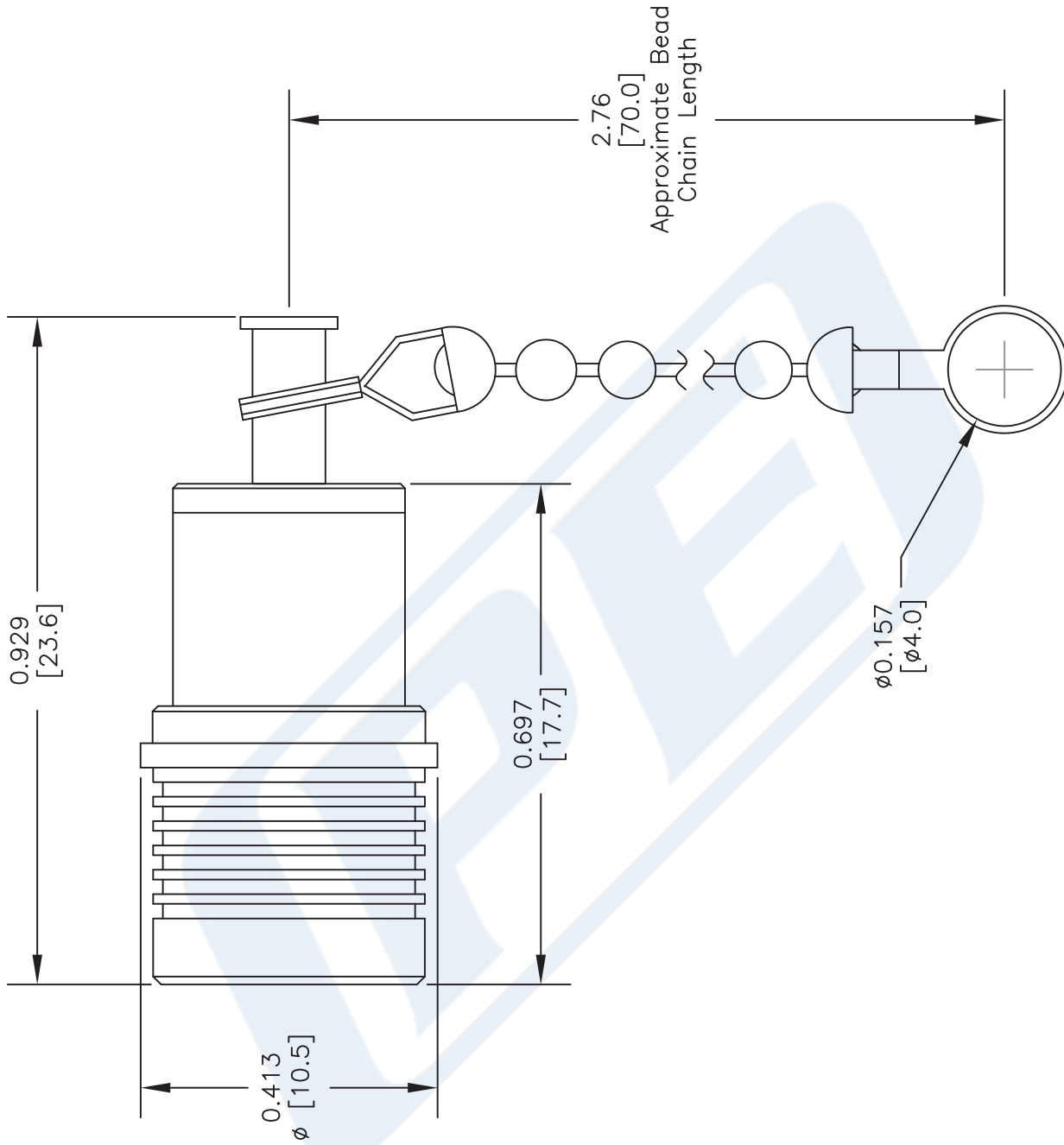
Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [1 Watt RF Load with Chain Up to 4 GHz with QMA Male PE6TR1051](https://www.pasternack.com/1-watts-qma-male-rf-load-4-ghz-pe6tr1051-p.aspx)

URL: <https://www.pasternack.com/1-watts-qma-male-rf-load-4-ghz-pe6tr1051-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.

# PE6TR1051 CAD Drawing

1 Watt RF Load with Chain Up to 4 GHz with QMA Male



## 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

**PE6TR1051**

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].  
4. FITS MIL-C-17 AND EQUIVALENT CABLES.

FSCM NO. 53919

CAD FILE 052617

SCALE N/A

SIZE A

2233