



1 Watt RF Load Up to 12.4 GHz With QMA Male Input Nickel Plated Brass

RF Terminations Technical Data Sheet

PE6164

Features

- DC to 12.4 GHz Frequency Range
- VSWR 1.22:1 Max
- Max Power 1 Watt (CW)
- QMA Male Coaxial Interface

Applications

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

Description

Pasternack's PE6164 is an RF termination (also called RF load or dummy load) that operates from DC to 12.4 GHz and handles up to 1 Watt (CW). Our QMA termination / load has a male gender. PE6164 QMA load termination offers 1.22:1 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 terminating 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		12.4	GHz
Impedance		50		Ohms
VSWR			1.22:1	
Input Power (CW) derated linearly to 0.1W at +125°C			1	Watts
Input Power (Peak) 5µs pulse, 1% duty cycle			200	Watts

Performance by Frequency

Description	F1	F2	F3	F4	F5	Units
Frequency Range	DC to 3	3 to 6	6 to 12.4			GHz
VSWR, Max	1.1:1	1.15:1	1.22:1			

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 12.4 GHz With QMA Male Input Nickel Plated Brass PE6164](#)



1 Watt RF Load Up to 12.4 GHz With QMA
Male Input Nickel Plated Brass

RF Terminations Technical Data Sheet

PE6164

Mechanical Specifications

Size

Length 0.68 in [17.27 mm]
Width 0.41 in [10.41 mm]
Weight 0.006 lbs [2.72 g]

Configuration

Connector QMA Male
Durability 100 Cycles

Material Specifications

Description	Material	Plating
Connector 1 Contact	Brass	Gold 30µ" min.
Insulation	PTFE	
Outer Conductor	Spring Copper	Nickel 100µ" min.
Body	Brass	Nickel 100µ" min.
Housing	Brass	Nickel 100µ" min.

Environmental Specifications

Temperature

Operating Range -55 to +125 deg C

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

Not RoHS Compliant
REACH Compliant 12/17/2015

Plotted and Other Data

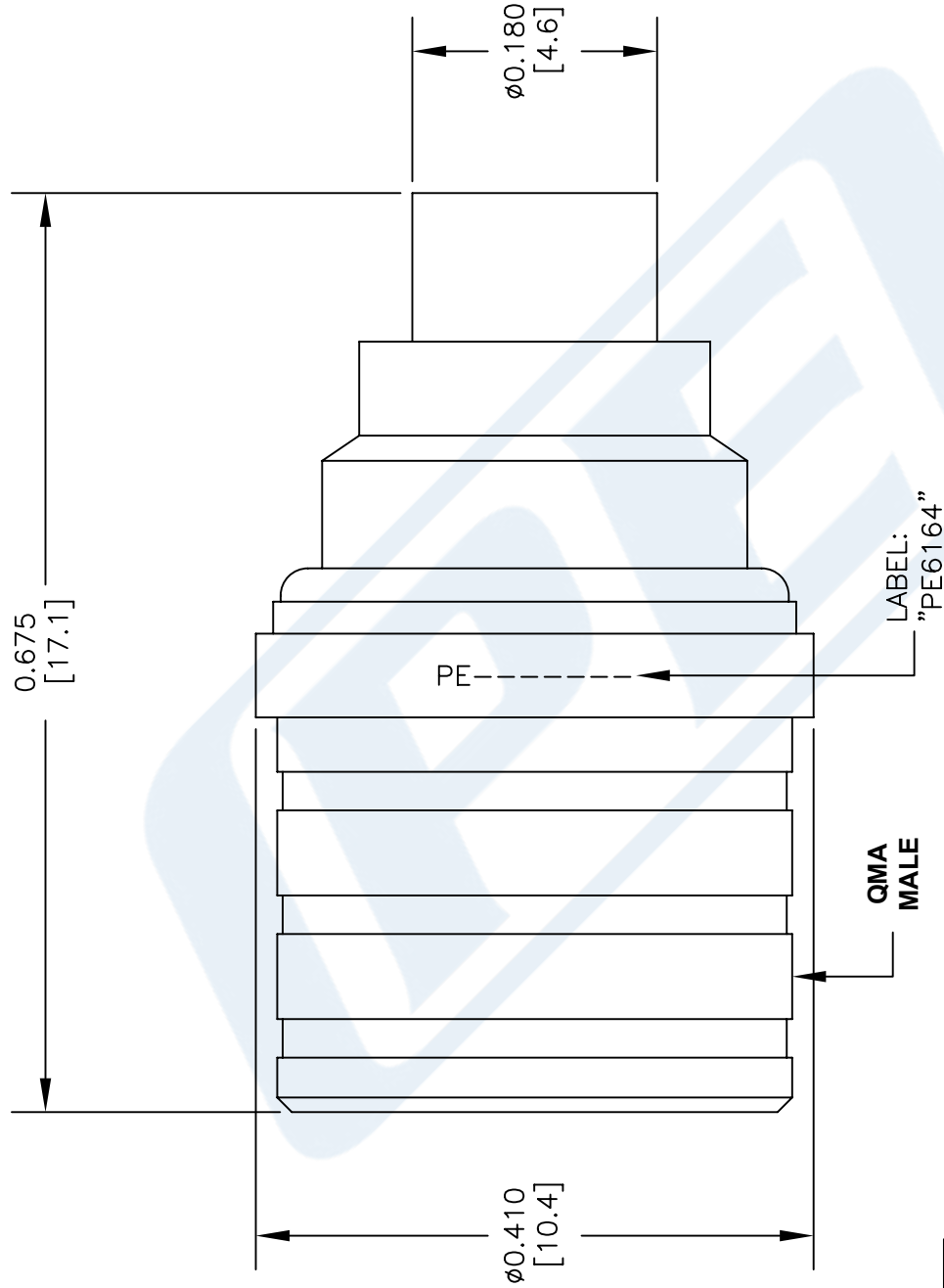
Notes:

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 12.4 GHz With QMA Male Input Nickel Plated Brass PE6164](#)



PE6164 CAD Drawing

1 Watt RF Load Up to 12.4 GHz With QMA Male Input Nickel Plated Brass



STANDARD TOLERANCES

- .X ± 0.03
- .XX ± 0.010
- .XXX ± 0.005

*STANDARD TOLERANCES APPLY ONLY TO DIMENSIONS IN INCHES



PASTERNAK
 THE ENGINEER'S RF SOURCE
 Pasternack Enterprises, Inc.
 P.O. Box 16759 | Irvine | CA | 92623
 Phone: (949) 261-1920 | Fax: (949) 261-7451
 Website: www.pasternack.com | E-Mail: sales@pasternack.com

DWG TITLE

PE6164

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 052616

SCALE N/A

SIZE A

3045