2 Watt RF Load Up to 50 GHz With 2.4mm Male Input Passivated Stainless Steel

PE6242

Features

- DC to 50 GHz Frequency Range
- VSWR 1.45:1 Max
- Max Power 2 Watt (CW)
- 2.4mm Male Coaxial Interface

Applications

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

Description

Pasternack's PE6242 is an RF termination (also called RF load or dummy load) that operates from DC to 50 GHz and handles up to 2 Watt (CW). Our 2.4mm termination / load has a male gender. PE6242 2.4mm load termination offers 1.45:1 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		50	GHz
Impedance		50		Ohms
VSWR, Input			1.45:1	
Input Power (CW)			2	Watts
derated linearly to 0.2W at +100°C				

Performance by Frequency

Description	F1	F2	F3	F4	F5	Units
Frequency Range	DC to 18	18 to 35	35 to 50			GHz
VSWR, Input Max	1.15:1	1.3:1	1.45:1			

Mechanical Specifications

Size

Length	0.59 in [14.99 mm]
Width	0.315 in [8 mm]
Weight	0.012 lbs [5.44 g]
Package Type	Connectorized

Configuration

Connector	2.4mm Male
Connector Specification	MIL-STD-348A
Hex Size	5/16 inch

+1 (866) 558-2786 | sales@pasternack.com | pasternack.com

2 Watt RF Load Up to 50 GHz With 2.4mm Male Input Passivated Stainless Steel

PE6242

Mating Torque	8 in-lbs [0.90 Nm]

Material Specifications

Description	Material	Plating
Connector 1 Contact	Beryllium Copper	Gold
		MIL-PRF-39012
Connector 1 Body	Passivated Stainless Steel	
Coupling Nut	Passivated Stainless Steel	
Housing	Passivated Stainless Steel	

Mechanical Specification Notes:
Dielectric material: high temperature plastic bead.

Environmental Specifications

Temperature

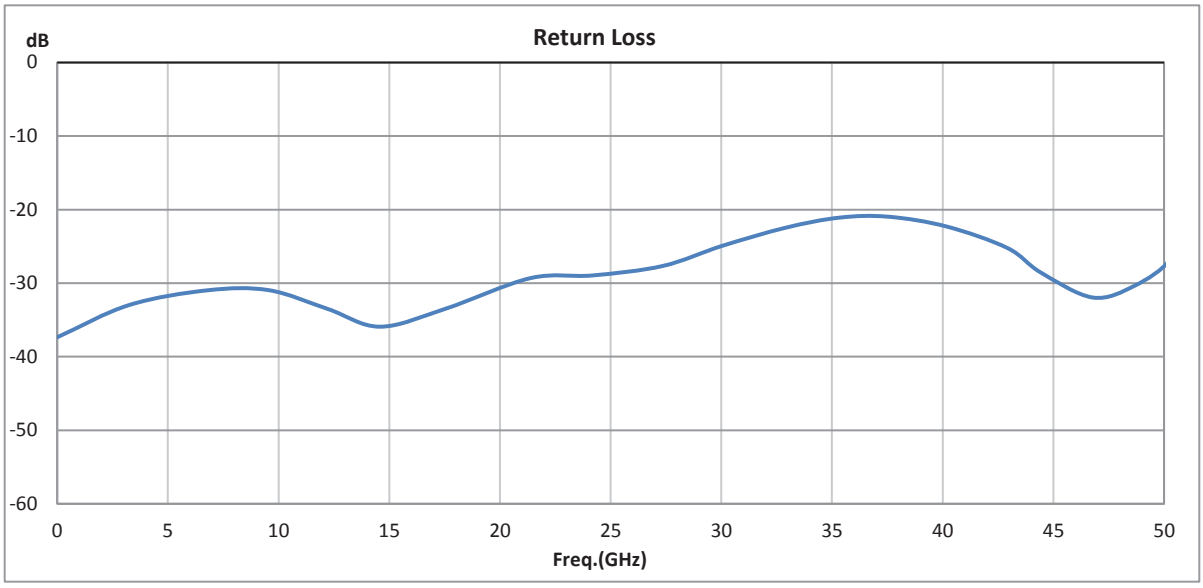
Operating Range	-55 to +100 deg C

Compliance Certifications (see product page for current document)

Plotted and Other Data

Notes:

Typical Performance Data



+1 (866) 558-2786 | sales@pasternack.com | pasternack.com

2 Watt RF Load Up to 50 GHz With 2.4mm Male Input Passivated Stainless Steel

PE6242

2 Watt RF Load Up to 50 GHz With 2.4mm Male Input Passivated Stainless Steel 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: 2 Watt RF Load Up to 50 GHz With 2.4mm Male Input Passivated Stainless Steel PE6242

URL: https://www.pasternack.com/2-watts-2.4mm-male-rf-load-up-to-50-ghz-pe6242-p.aspx

PE6242 CAD Drawing

2 Watt RF Load Up to 50 GHz With 2.4mm Male Input Passivated Stainless Steel