

## 2 Watt RF Load DC to 18 GHz with SMA Male Input Passivated Stainless Steel Body



### PE6TR1173

#### Features

- DC to 18 GHz Frequency Range
- 50 Ohm Impedance
- SMA Male Coaxial Interface
- Max VSWR 1.2:1
- Max Power 2 Watts (CW)

#### Applications

- Instrumentation
- Precision Measurements
- Prototyping and Characterization
- Production Systems

#### Description

Pasternack's PE6TR1173 is an RF termination (also called RF load or dummy load) that operates from DC to 18 GHz and handles up to 2 Watt (CW). Our SMA termination / load has a male gender. PE6TR1173 SMA load termination offers 1.2:1 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. L-com 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		18	GHz
Impedance		50		Ohms
VSWR, Input		1.15:1	1.2:1	
Input Power (CW)			2	Watts
2W average power from -55°C to 70°C linearly derated to 1 Watt at 165°C				
Dielectric Withstanding Voltage (AC)			1,500	Vrms
Operating Voltage (AC)			500	Vrms

#### Performance by Frequency

Description	F1	F2	F3	F4	F5	Units
Frequency Range	DC to 6	6 to 12.4	12.4 to 18			GHz
VSWR, Input Typ	1.1:1	1.15:1	1.2:1			

#### Mechanical Specifications

##### Size

Length	0.52 in [13.21 mm]
Width	0.31 in [7.87 mm]
Height	0.31 in [7.87 mm]
Weight	0.1 lbs [45.36 g]

##### Configuration

Connector	SMA Male
-----------	----------

## 2 Watt RF Load DC to 18 GHz with SMA Male Input Passivated Stainless Steel Body



### PE6TR1173

Connector Specification

MIL-STD-348B

#### Material Specifications

Description	Material	Plating
Connector 1 Contact	Beryllium Copper	Gold
Insulation	Teflon	
Gasket	Silicone	
Connector 1 Body	Passivated Stainless Steel	
Housing	Passivated Stainless Steel	

#### Environmental Specifications

##### Temperature

Operating Range

-65 to +165 deg C

Humidity

MIL-STD-202, Method 106

Thermal Shock

MIL-STD-202, Method 107, Condition B

Salt Spray

MIL-STD-202, Method 101, Condition B

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

#### Plotted and Other Data

Notes:

2 Watt RF Load DC to 18 GHz with SMA Male Input Passivated Stainless Steel Body 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 DC to 18 GHz with SMA Male Input Passivated Stainless Steel Body PE6TR1173](#)

URL: <https://www.pasternack.com/2-watts-sma-male-rf-load-18-ghz-pe6tr1173-p.aspx>

The information contained within 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 Enterprises reserves the right to make such changes as required. Unless otherwise stated, all specifications are nominal. Pasternack Enterprises does not make any representation or warranty regarding the suitability of the part described herein for any particular purpose, and Pasternack Enterprises does not assume liability arising out of the use of any part or document.

PE6TR1173 CAD Drawing
2 Watt RF Load DC to 18 GHz with SMA Male Input Passivated Stainless Steel Body

