



## 10 Watt RF Load Up to 18 GHz With SMA Male Input Black Anodized Aluminum Heatsink

### RF Terminations Technical Data Sheet

PE6036

#### Features

- DC to 18 GHz Frequency Range
- VSWR 1.4:1 Max
- Max Power 10 Watt (CW)
- SMA Male Coaxial Interface

#### Applications

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

#### Description

Pasternack's PE6036 is an RF termination (also called RF load or dummy load) that operates from DC to 18 GHz and handles up to 10 Watt (CW). Our SMA termination / load has a male gender. PE6036 SMA load termination offers 1.4:1 max VSWR. This Pasternack 10W SMA terminator has a heatsink body which is designed to provide adequate heat dissipation within its full frequency of operation.

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		18	GHz
Impedance		50		Ohms
VSWR			1.4:1	
Input Power (CW) derated linearly to 2W at +125°C			10	Watts
Input Power (Peak) 5µs pulse, 0.05% duty cycle			500	Watts

#### Mechanical Specifications

<b>Size</b>	
Length	1.4 in [35.56 mm]
Width	1 in [25.4 mm]
Weight	0.0521 lbs [23.63 g]

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [10 Watt RF Load Up to 18 GHz With SMA Male Input Black Anodized Aluminum Heatsink PE6036](#)



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**Configuration**

Connector	SMA Male
Connector Specification	MIL-STD-348
Hex Size	5/16 inch
Mating Torque	8 in-lbs [0.90 Nm]

**Material Specifications**

Description	Material	Plating
Connector 1 Contact	Beryllium Copper	Gold
Insulation	PTFE	
Body	Passivated Stainless Steel	
Coupling Nut	Passivated Stainless Steel	
Housing	Black Anodized Aluminum Heatsink	

**Environmental Specifications**

**Temperature**

Operating Range	-65 to +125 deg C
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**Compliance Certifications** (see [product page](#) for current document)

**Plotted and Other Data**

Notes:

10 Watt RF Load Up to 18 GHz With SMA Male Input Black Anodized Aluminum Heatsink 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: [10 Watt RF Load Up to 18 GHz With SMA Male Input Black Anodized Aluminum Heatsink PE6036](#)

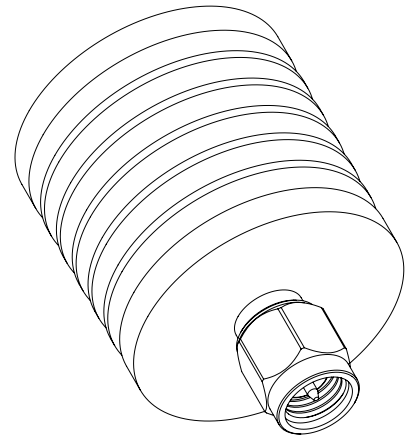
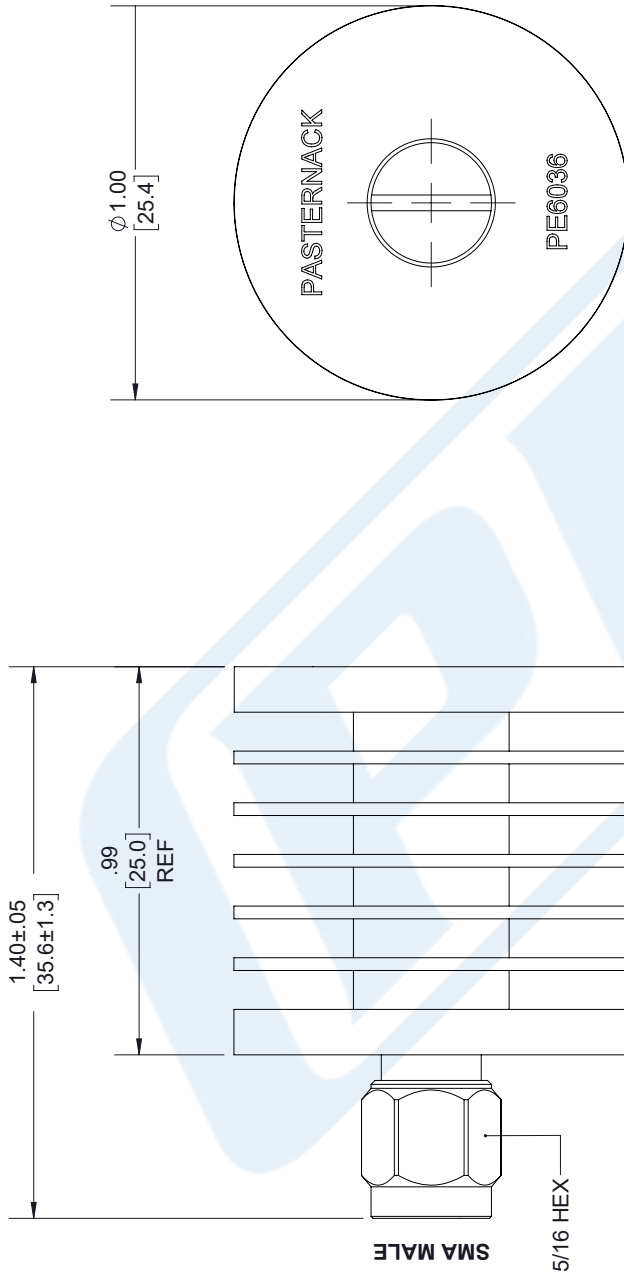
URL: <https://www.pasternack.com/10-watts-sma-male-rf-load-up-to-18-ghz-pe6036-p.aspx>

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# PE6036 CAD Drawing

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REVISIONS			
REV.	DESCRIPTION	DATE	APPROVED
A	INITIAL RELEASE	7/28/2020	S.PONG



UNLESS OTHERWISE SPECIFIED  
LEADING DIMENSIONS ARE INCHES  
DIMENSIONS IN [ ] ARE MILLIMETERS

TOLERANCES:

.X = ± .2 [ .08 ] FRACTIONS  
.XX = ± .02 [ .51 ] ± 1/32  
.XXX = ± .005 [ .13 ] ANGLES ± 1°

CABLE LENGTH (L) TOLERANCES:

L ≤ 12 [305] = ± 1 [25] / -0  
12 [305] < L ≤ 60 [1524] = +2 [51] / -0  
60 [1524] < L ≤ 120 [3048] = +4 [102] / -0  
120 [3048] < L ≤ 300 [7620] = +6 [152] / -0  
300 [7620] < L = +5% L / -0

ALL DIMENSIONS SHOWN  
ARE FOR REFERENCE ONLY.

THIRD-ANGLE PROJECTION



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SHEET 1 OF 1

SCALE N/A

REV A

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Pasternack Enterprises, Inc.  
P.O. Box 16759, Irvine, CA 92623.  
Phone: 1.949.261.1920 | 1.866.727.8376

Fax: 1.949.261.7451

Website: [www.pasternack.com](http://www.pasternack.com)

E-mail: [sales@pasternack.com](mailto:sales@pasternack.com)

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