



2 Watt Feed-Thru Load Up to 1,000 MHz with SMA
Male to Female Passivated Stainless Steel

RF Terminations Technical Data Sheet

PE6026

Features

- DC to 1,000 MHz Frequency Range
- VSWR 1.25:1 Max
- Max Power 2 Watts (CW)
- SMA Male to Female Coaxial Interface

Applications

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

Description

Pasternack's PE6026 is an RF feed-thru termination (also called RF feed-thru load) that operates from DC to 1,000 MHz and handles up to 2 Watts (CW). This feed-thru SMA load is designed to be used with test equipment, like oscilloscopes, to match the equipment to the 50 Ohm device under test (DUT). PE6026 feed-thru SMA load termination offers 1.25:1 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 Watts (CW).

Electrical Specifications

Description	Minimum	Typical	Maximum	Units
Frequency Range	DC		1,000	MHz
Impedance		50		Ohms
VSWR			1.25:1	
Input Power (CW) derated linearly to 0.5W at +125°C			2	Watts

Mechanical Specifications

Size	
Length	0.99 in [25.15 mm]
Width	0.315 in [8 mm]
Weight	0.013 lbs [5.9 g]

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [2 Watt Feed-Thru Load Up to 1,000 MHz with SMA Male to Female Passivated Stainless Steel PE6026](#)



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Configuration

Connector 1	SMA Male
Connector 1 Specification	MIL-STD-348
Hex Size	5/16 inch
Connector 2	SMA Female
Connector 2 Specification	MIL-STD-348
Mating Torque	8 in-lbs [0.90 Nm]

Material Specifications

Description	Material	Plating
Connector 1 Contact	Beryllium Copper	Gold
Connector 2 Contact	Beryllium Copper	Gold
Insulation	PTFE	
Body	Passivated Stainless Steel	
Coupling Nut	Passivated Stainless Steel	
Housing	Passivated Stainless Steel	

Environmental Specifications

Temperature

Operating Range	-65 to +125 deg C
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Compliance Certifications (visit www.Pasternack.com for current document)

RoHS Compliant	
REACH Compliant	12/17/2015

Plotted and Other Data

Notes:

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2 Watt Feed-Thru Load Up to 1,000 MHz with SMA Male to Female 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% availability and are part of the broadest selection in the industry.

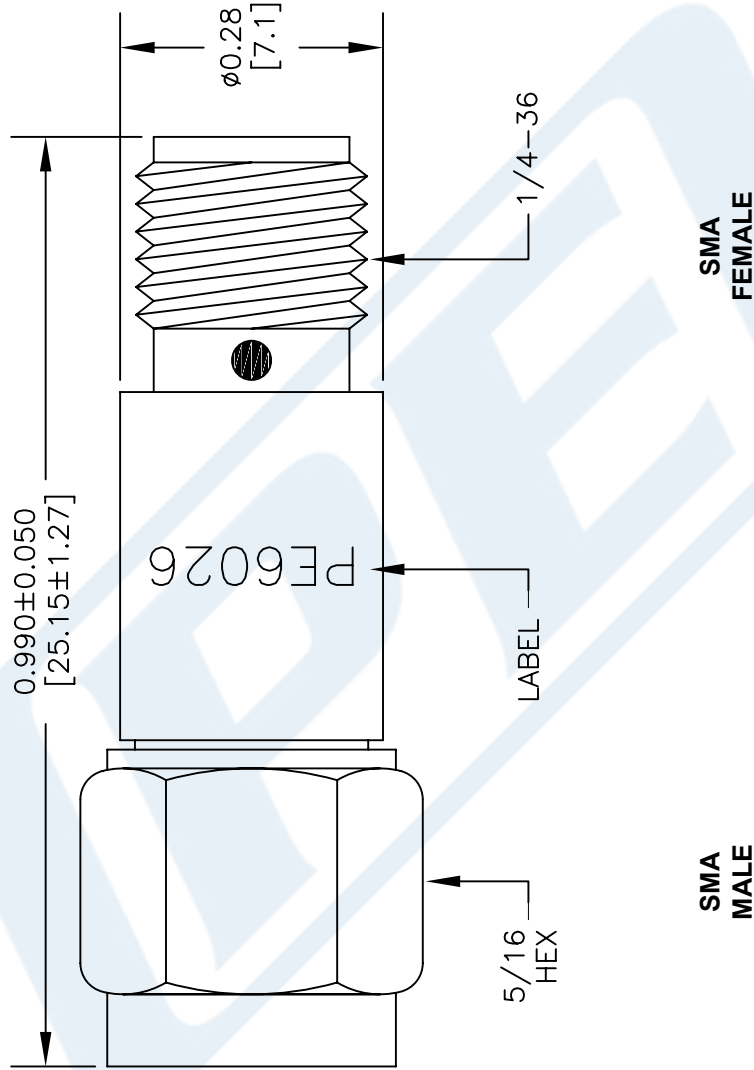
Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [2 Watt Feed-Thru Load Up to 1,000 MHz with SMA Male to Female Passivated Stainless Steel PE6026](https://www.pasternack.com/2-watts-sma-male-feed-thru-load-up-to-1-ghz-pe6026-p.aspx)

URL: <https://www.pasternack.com/2-watts-sma-male-feed-thru-load-up-to-1-ghz-pe6026-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.

PE6026 CAD Drawing

2 Watt Feed-Thru Load Up to 1,000 MHz with SMA Male
to Female Passivated Stainless Steel



STANDARD TOLERANCES

DECIMAL ±0.01
.XX ±0.005
.XXX ±0.005

*STANDARD TOLERANCES APPLY ONLY TO DIMENSIONS IN INCHES



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DWG TITLE

PE6026

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].

FSCM NO. 53919

CAD FILE 052316

SCALE N/A

SIZE A

3045