

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



PE6026

RF Terminations Technical Data Sheet

Features

- DC to 1,000 MHz Frequency Range
- VSWR 1.25:1 Max

Applications

- Wireless
- SatCom

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

Max Power 2 Watts (CW)

SMA Male to Female Coaxial Interface

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)			2	Watts
derated linearly to 0.5W at +125°C				

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

Pasternack Enterprises, Inc. • P.O. Box 16759, Irvine, CA 92623 Phone: (866) 727-8376 or (949) 261-1920 • Fax: (949) 261-7451

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Configuration Connector 1 Connector 1 Specification Hex Size Connector 2 Connector 2 Specification Mating Torque

SMA Male MIL-STD-348 5/16 inch SMA Female MIL-STD-348 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

12/17/2015

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

REACH Compliant

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.

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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.

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PE6026 CAD Drawing

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