



SMA Female Bulkhead Mount Hermetically Sealed Connector Solder Attachment Terminal

RF Connectors Technical Data Sheet

PE1961

Configuration

- SMA Female Connector
- 50 Ohms
- Straight Body Geometry
- Bulkhead

Features

- Max. Operating Frequency 16 GHz
- Excellent VSWR of 1.2:1
- Gold over Nickel over Copper Plated Beryllium Copper
- Contact
- Hermetically Sealed

Applications

- General Purpose Test
- Rack and Panel Mount Applications

Description

Pasternack's PE1961, SMA, Standard, connector with solder/solder attachment terminal is part of our full line of RF components available for same-day shipping. Our SMA female connector operates up to a maximum frequency of 16 GHz and offers excellent VSWR of 1.2:1. This SMA bulkhead connector allows designers to create external connections on their product enclosures, and can be used in a variety of other rack mount and panel mount applications.

Our SMA female bulkhead connector PE1961 datasheet specifications and drawing with dimensions are shown below in this PDF. Pasternack's broad catalog of RF, microwave and millimeter wave connectors allows designers to configure and customize their signal connections however they like. Whether the need is to provide an I/O for a board design, or simply create a custom cable assembly configuration, Pasternack has the right connector for the job. Pasternack can also expertly build your custom cable assemblies for you and ship same-day.

Electrical Specifications

Description	Minimum	Typical	Maximum	Units
Frequency Range	DC		16	GHz
VSWR			1.2:1	
Insertion Loss			0.16	dB
Operating Voltage (AC)			500	Vrms
Impedance		50		Ohms
Dielectric Withstanding Voltage (AC)			1,500	Vrms
Inner Conductor DC Resistance			3	mOhms
Outer Conductor DC Resistance			2	mOhms
Insulation Resistance	5,000			MOhms

Mechanical Specifications

Size

Length	0.69 in [17.53 mm]
Width	0.44 in [11.18 mm]

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [SMA Female Bulkhead Mount Hermetically Sealed Connector Solder Attachment Terminal PE1961](#)



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Height	0.44 in [11.18 mm]
Weight	0.17 lbs [77.11 g]
Mating Cycles	100 Cycles
Mating Torque	4 in-lbs [0.45 Nm]
Cable Retention Force	6.1 lbs 2.77 kg

Material Specifications

Description	Material	Plating
Contact	Beryllium Copper	Gold over Nickel over Copper
Insulation	PTFE	
Body	Brass	Gold over Nickel over Copper
Gasket	Silicone	

Environmental Specifications

Temperature

Operating Range	-65 to +165 deg C
Humidity	MIL-STD-202, Method106
Thermal Shock	MIL-STD-202, Method107, Condition B
Salt Spray	MIL-STD-202, Method101, Condition B
Hermetic Seal	1*10-6cc/sec helium at 1atm

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

Plotted and Other Data

Notes:

SMA Female Bulkhead Mount Hermetically Sealed Connector Solder Attachment Terminal 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.

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URL: <https://www.pasternack.com/sma-female-terminal-connector-pe1961-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.

