

RP-SMA Jack Right Angle Bulkhead Mount Connector Crimp/Solder Attachment for RG178, RG196



PE48028

Configuration

- SMA Jack Reverse Polarity Connector
- 50 Ohms
- Right Angle Body Geometry
- Connector Interface Types: RG178, RG196
- Bulkhead

Features

- Max. Operating Frequency 3 GHz
- Excellent VSWR of 1.25:1
- Gold over Nickel over Copper Plated Brass Contact
- Reverse Polarity

Applications

- General Purpose Test
- Rack and Panel Mount Applications
- Custom Cable Assemblies

Description

Pasternack's PE48028 Right Angle RP SMA Jack Bulkhead Mount Connector Crimp/Solder Attachment for RG178 and RG196 Cable is part of our full line of RF components available for same-day shipping. The jack reverse polarity configuration uses a jack connector body with an inner contact pin. Our SMA jack connector operates up to a maximum frequency of 3 GHz and offers excellent VSWR of 1.25:1. Its right angle body geometry allows for easier connections in tight spaces. 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 reverse polarity SMA jack right angle bulkhead connector PE48028 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		3	GHz
VSWR			1.25:1	
Insertion Loss			0.069	dB
Operating Voltage (AC)			250	Vrms
Dielectric Withstanding Voltage (AC)			750	Vrms
Inner Conductor DC Resistance			3	mOhms
Outer Conductor DC Resistance			2	mOhms
Insulation Resistance	5,000			MOhms
Impedance		50		Ohms

Mechanical Specifications

Size

Length	0.78 in [19.81 mm]
Width	0.35 in [8.89 mm]
Height	0.551 in [14 mm]
Weight	0.014 lbs [6.35 g]

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Mating Cycles	100 Cycles
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Material Specifications

Description	Material	Plating
Contact	Brass	Gold over Nickel over Copper
Insulation	PTFE	
Outer Conductor	Brass	Tri-Metal
Body	Brass	Tri-Metal
Washer	Brass	Tri-Metal

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:

RP-SMA Jack Right Angle Bulkhead Mount Connector Crimp/Solder Attachment for RG178, RG196 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: [RP-SMA Jack Right Angle Bulkhead Mount Connector Crimp/Solder Attachment for RG178, RG196 PE48028](#)

URL: <https://www.pasternack.com/sma-jack-reverse-polarity-rg178-rg196-connector-pe48028.html>

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.

PE48028 CAD Drawing
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