

SMC Jack Connector Solder Attachment 0.062 inch End Launch PCB, .030 inch Diameter



PE517800

Configuration

- SMC Jack Connector
- 50 Ohms
- Straight Body Geometry
- Connector Interface Types: 0.062 inch End Launch

Features

- Max. Operating Frequency 10 GHz
- Good VSWR of 1.3:1
- Gold over Nickel over Copper Plated Brass Contact

Applications

- General Purpose Test
- PCB Applications

Description

Pasternack's PE517800 SMC Jack Connector Solder Attachment for 0.062 inch End Launch, is part of our full line of RF components available for same-day shipping.

Our SMC jack connector operates up to a maximum frequency of 10 GHz and offers good VSWR of 1.3:1. Our SMC jack connector PE517800 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		10	GHz
VSWR			1.3:1	
Insertion Loss			0.316	dB
Operating Voltage (AC)			250	Vrms
Dielectric Withstanding Voltage (AC)			750	Vrms
Inner Conductor DC Resistance			5	mOhms
Outer Conductor DC Resistance			2.5	mOhms
Insulation Resistance	10,000			MOhms
RF Leakage	90			dB
Impedance		50		Ohms

Mechanical Specifications

Size

Length	0.563 in [14.3 mm]
Width	0.374 in [9.5 mm]
Height	0.563 in [14.3 mm]
Weight	0.5 lbs [226.8 g]
Mating Cycles	500 Cycles
Mating Torque	2.2 to 3.1 in-lbs [[0.25 to 0.35 Nm]]

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Material Specifications

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

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:

SMC Jack Connector Solder Attachment 0.062 inch End Launch PCB, .030 inch Diameter 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: [SMC Jack Connector Solder Attachment 0.062 inch End Launch PCB, .030 inch Diameter PE517800](#)

URL: <https://www.pasternack.com/smc-jack-0.062-end-launch-pcb-connector-pe517800.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.

PE517800 CAD Drawing
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