

SMP Female to SMP Female Spring-loaded Adapter (Bullet), L=0.70 inch

PE91739



Configuration

- SMP Female Connector 1
- SMP Female Connector 2
- 50 Ohms Impedance

Features

- Gold Plated Beryllium Copper Contact
- Typical VSWR of 1.25:1 at 18GHz
- Straight Body Geometry
- 40 GHz Frequency Range

Applications

- General Purpose Test
- Allows board-to-board connections

Description

Pasternack's PE91739 SMP female to SMP female adapter is part of our full line of RF components available for same-day shipping. Our SMP to SMP adapter has a female to female gender configuration and is built of durable stainless steel. PE91739 SMP female to SMP female adapter operates to 40 GHz. This SMP to SMP adapter allows for easier connections in tight spaces.

RF adapters are often used to enable connections between two connector types that would otherwise not mate. Certain adapter configurations can also be used to protect connectors on expensive equipment where the number of connect/disconnect cycles is high. An RF, microwave or millimeter wave adapter is connected to the equipment, and the commonly changed connection is made with the adapter which can be easily replaced when it wears out after high usage; such adapters are referred to as connector savers. Pasternack also offers bulkhead, panel mount, hermetically sealed, reverse polarity, and isolated ground adapter varieties to serve all of your RF, microwave and millimeter wave needs.

Electrical Specifications

Description	Minimum	Typical	Maximum	Units
Frequency Range	DC		40	GHz
Impedance		50		Ohms
Insertion Loss			0.76	dB

Performance by Frequency

Description	F1	F2	F3	F4	F5	Units
Frequency Range	DC to 18					GHz
VSWR, Max	1.25:1					

Mechanical Specifications

Size

Length	0.70 in [17.78 mm]
Width	0.19 in [4.75 mm]
Height	0.19 in [4.75 mm]
Weight	0.04 lbs [15.88 g]

Mechanical Specification Notes:

500 cycles when mated with Smooth Bore and 100 Cycles when mated with Full Detent male connector.

*Length 0.60 Inches when compressed

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Material Specifications

Description	Connector 1		Connector 2	
	Material	Plating	Material	Plating
Type	SMP Female		SMP Female	
Contact	Beryllium Copper	Gold	Beryllium Copper	Gold
Insulation	PTFE		PTFE	
Outer Conductor	Beryllium Copper	Gold	Beryllium Copper	Gold
Body	Passivated Stainless Steel		Passivated Stainless Steel	

Environmental Specifications

Temperature

Operating Range -40 to +125 °C

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

Plotted and Other Data

SMP Female to SMP Female Spring-loaded Adapter (Bullet), L=0.70 inch 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: [SMP Female to SMP Female Spring-loaded Adapter \(Bullet\), L=0.70 inch PE91739](#)

URL: <https://www.pasternack.com/smp-female-to-smp-female-adapter-pe91739-p.aspx>

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.

PE91739 CAD Drawing
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