Precision SMA Female to SMP Male Limited Detent Adapter

PE91050

Configuration

- SMA Female Connector 1
- Limited Detent SMP Male Connector 2
- 50 Ohms Impedance
- Precision Design
- Straight Body Geometry

Features

- Max VSWR of 1.2:1 up to 26.5 GHz
- SMA interface compliant with MIL-STD-348
- SMP interface compliant with MIL-STD-348
- Contact plating according to MIL-G-45204
- Gold Plated Beryllium Copper Contact

Applications

- Allows Connection Between Series
- General Purpose Test
- Precision Test & Measurement

Description

Pasternack's PE91050 SMA female to SMP male limited detent adapter is part of our full line of RF components available for same-day shipping. The SMA connector mates mechanically with commercially available 3.5mm and 2.92mm (K) connectors. Our SMA to SMP adapter has a female to male gender configuration in a precision design. PE91050 SMA female to SMP male adapter operates to 26.5 GHz. The Pasternack RF adapter provides excellent VSWR of 1.2:1 maximum.

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		26.5	GHz
Impedance		50		Ohms
VSWR			1.2:1	

Electrical Specification Notes:
Values at 25°C, sea level.

Mechanical Specifications

Size

Length	0.78 in [19.81 mm]
Width	0.28 in [7.06 mm]
Height	0.28 in [7.06 mm]
Weight	0.01 lbs [2.81 g]

Description	Connector 1	Connector 2
Polarity	Standard	Standard
Interface Specification	MIL-STD-348	MIL-STD-348

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Description	Connector 1	Connector 2
Mating Cycles, Min	500	500

Material Specifications

	Connector 1		Connector 2	
Description	Material	Plating	Material	Plating
Type	SMA Female		Limited Detent SMP Male	
Contact	Beryllium Copper	Gold MIL-G-45204	Beryllium Copper	Gold MIL-G-45204
Insulation	PTFE		PTFE	
Outer Conductor	Passivated Stainless Steel	AMS-QQ-P-35	Passivated Stainless Steel	
Body			Passivated Stainless Steel	AMS-QQ-P-35

Environmental Specifications

Temperature

Operating Range -55 to +125 ºC

Compliance Certifications (see product page for current document)

Plotted and Other Data

Precision SMA Female to SMP Male Limited Detent Adapter 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: Precision SMA Female to SMP Male Limited Detent Adapter PE91050

URL: https://www.pasternack.com/sma-female-smp-male-straight-adapter-pe91050-p.aspx

PE91050 CAD Drawing

Precision SMA Female to SMP Male Limited Detent Adapter