SMA Female to SMP Male Full Detent Bulkhead Mount Adapter



PE910140

Configuration

- SMA Female Connector 1
- Full Detent SMP Male Connector 2
- 50 Ohms Impedance
- Bulkhead Mount Method

Features

- Max VSWR of 1.3:1 up to 26.5 GHz
- Golver over Nickel Alloy over Copper Plated Beryllium Copper Contact

Applications

- Allows Connection Between Series
- General Purpose Test
- Rack Mounted Equipment

Description

Pasternack's PE910140 SMA female to SMP male full detent bulkhead 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 built of durable stainless steel. PE910140 SMA female to SMP male adapter operates to 26.5 GHz. The Pasternack RF adapter provides good VSWR of 1.3:1 maximum. This SMA to SMP adapter allows for easier connections in tight spaces. This RF SMA to SMP bulkhead adapter 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.

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			1.3:1	
Insertion Loss			0.308	dB
Operating Voltage (AC)			335	Vrms
Dielectric Withstanding Voltage (AC)			500	Vrms
Insulation Resistance	5,000			MOhms

Mechanical Specifications

Size

Length	0.43 in [10.90 mm]
Width	0.38 in [9.63 mm]
Height	0.38 in [9.63 mm]
Weight	0.08 lbs [35.79 g]

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Description	Connector 1	Connector 2
Polarity	Standard	Standard
Mating Cycles, Min	500	100
Mating Torque	7 to 9.5 in-lbs 0.79 to 1.07 Nm	
Contact Captivation Axial Force, Min	6.1 lbs [2.77 kg]	
Coupling Proof Torque	15 in-lbs [1.7 Nm]	

Mechanical Specification Notes:
Engagement Force: =15lbs
Disengagement Force: =5lbs
Axial Misalignment: +0.00/-0.25(+.000/-.010)
Radiall Misalignment: +/-0.25(0.010)

Material Specifications

	Connector 1		Connector 2	
Description	Material	Plating	Material	Plating
Type	SMA Female		Full Detent SMP Male	
Contact	Beryllium Copper	Golver over Nickel Alloy over Copper	Beryllium Copper	Golver over Nickel Alloy over Copper
Insulation	PTFE		PTFE	
Body	Passivated Stainless Steel		Passivated Stainless Steel	
Gasket	Silicone		Silicone	

Environmental Specifications

Temperature

Operating Range	-55 to +165 ºC
Humidity	MIL-STD-202, Method 106
Thermal Shock	MIL-STD-202, Method 107, Condition B
Salt Spray	MIL-STD-202, Method 101, Condition B

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Compliance Certifications (see product page for current document)

Plotted and Other Data

SMA Female to SMP Male Full Detent Bulkhead Mount 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: SMA Female to SMP Male Full Detent Bulkhead Mount Adapter PE910140

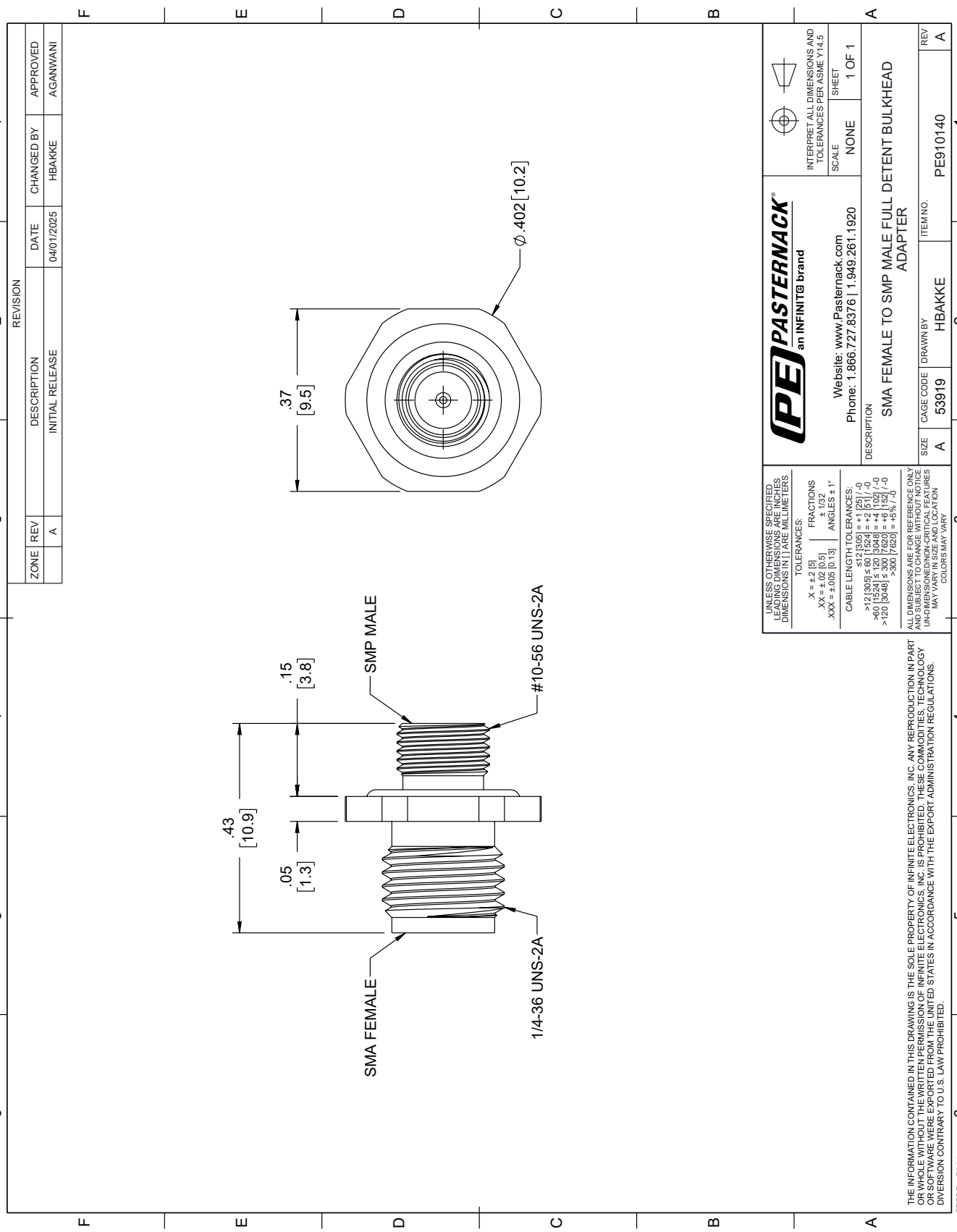
URL: https://www.pasternack.com/sma-female-to-smp-male-full-detent-bulkhead-mount-adapter-pe910140.html

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PE910140 CAD Drawing

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