



SMA Female to SMP Male Limited Detent Adapter 26.5 GHz

RF Adapters Technical Data Sheet

PE9778

Configuration

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

Features

- Max Return Loss of -15 dB up to 26.5 GHz
- SMA Interface compliant with MIL-STD-348A
- SMP Interface compliant with MIL-STD-348A
- Gold over Nickel Plated Beryllium Copper Contact
- 1.27 μ m minimum Gold Contact Plating

Applications

- Allows Connection Between Series
- General Purpose Test

Description

Pasternack's PE9778 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. PE9778 SMA female to SMP male adapter operates to 26.5 GHz.

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
Return Loss			-15	dB
Insertion Loss			0.26	dB
Operating Voltage (AC)			335	Vrms
Dielectric Withstanding Voltage (AC)			500	Vrms
Inner Conductor DC Resistance			6	mOhms
Outer Conductor DC Resistance			2	mOhms
Insulation Resistance	5,000			MOhms

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 Limited Detent Adapter 26.5 GHz PE9778](#)



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Performance by Frequency

Description	F1	F2	F3	F4	F5	Units
Frequency Range	DC to 4	4 to 10	10 to 26.5			GHz
Return Loss, Max	-32	-22	-15			dB

Electrical Specification Notes:

Values at 25°C, sea level.

Insertion loss (dB) = 0.05 x sqrt(FGHz) max.

Mechanical Specifications

Size

Length	0.91 in [23.11 mm]
Width	0.35 in [8.89 mm]
Weight	0.012 lbs [5.44 g]

Description	Connector 1	Connector 2
Type	SMA Female	SMP Male
Polarity	Standard	Standard
Interface Specification	MIL-STD-348A	MIL-STD-348A
Mating Cycles	500	500

Material Specifications

Description	Connector 1		Connector 2	
	Material	Plating	Material	Plating
Type	SMA Female		Limited Detent SMP Male	
Contact	Beryllium Copper	Gold over Nickel 1.27 µm minimum	Beryllium Copper	Gold over Nickel 1.27 µm minimum
Insulation	PTFE		PTFE	
Outer Conductor	Passivated Stainless Steel			
Body	Passivated Stainless Steel			

Environmental Specifications

Temperature

Operating Range	-65 to +155 deg C
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Humidity	MIL-STD-202, Method 106
Shock	MIL-STD-202, Method 213, Condition A
Vibration	MIL-STD-202, Method 204, Condition B

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Thermal Shock

MIL-STD-202, Method 107, Condition B

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

Plotted and Other Data

Notes:

SMA Female to SMP Male Limited Detent Adapter 26.5 GHz from Pasternack Enterprises has same day shipment for domestic and International orders. Our RF, microwave and millimeter wave products maintain a 99% availability and are part of the broadest selection in the industry.

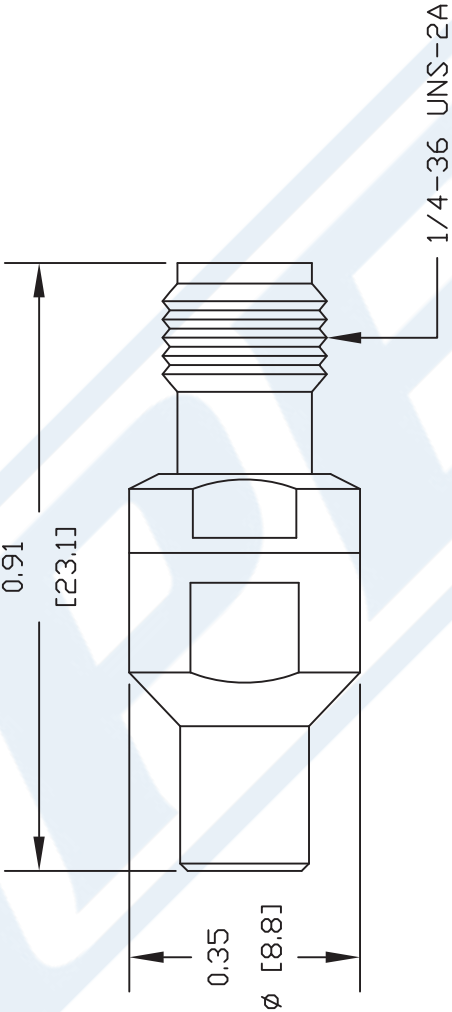
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URL: <https://www.pasternack.com/sma-female-smp-male-straight-adapter-pe9778-p.aspx>

The information contained in 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 reserves the right to make such changes as required. Unless otherwise stated, all specifications are nominal. Pasternack does not make any representation or warranty regarding the suitability of the part described herein for any particular purpose, and Pasternack does not assume any liability arising out of the use of any part or documentation.

PE9778 CAD Drawing

SMA Female to SMP Male Limited Detent Adapter 26.5 GHz



NOTES:
1. UNLESS OTHERWISE SPECIFIED ALL DIMENSIONS ARE NOMINAL.
2. ALL SPECIFICATIONS ARE SUBJECT TO CHANGE WITHOUT NOTICE AT ANY TIME.
3. DIMENSIONS ARE IN INCHES [mm].

DWG TITLE
PE9778

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