



SMA Female to HN Female Adapter

RF Adapters Technical Data Sheet

PE9255

Configuration

- SMA Female Connector 1
- HN Female Connector 2
- 50 Ohm
- Straight Body Geometry

Features

- SMA interface compliant with MIL-STD-348
- HN 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

Description

Pasternack's PE9255 SMA female to HN female 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 HN adapter has a female to female gender configuration. PE9255 SMA female to HN female adapter operates to 4 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		4	GHz
Operating Voltage (AC)			335	Vrms
Dielectric Withstanding Voltage (AC)			1,500	Vrms
Insulation Resistance	5,000			MOhms

Mechanical Specifications

Size

Length	1.52 in [38.61 mm]
Width	0.76 in [19.3 mm]
Weight	0.08 lbs [36.29 g]

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 HN Female Adapter PE9255](#)



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Description	Connector 1	Connector 2
Type	SMA Female	HN Female
Polarity	Standard	Standard
Interface Specification	MIL-STD-348	MIL-STD-348

Material Specifications

Description	Connector 1		Connector 2	
	Material	Plating	Material	Plating
Type	SMA Female		HN Female	
Contact	Beryllium Copper	Gold MIL-G-45204	Beryllium Copper	Gold MIL-G-45204
Insulation	PTFE		PTFE	
Outer Conductor	Brass	Nickel QQ-N-290	Brass	Nickel QQ-N-290

Environmental Specifications

Temperature

Operating Range -65 to +165 °C

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

Plotted and Other Data

Notes:

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SMA Female to HN Female 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 HN Female Adapter PE9255](https://www.pasternack.com/sma-female-hn-female-straight-adapter-pe9255-p.aspx)

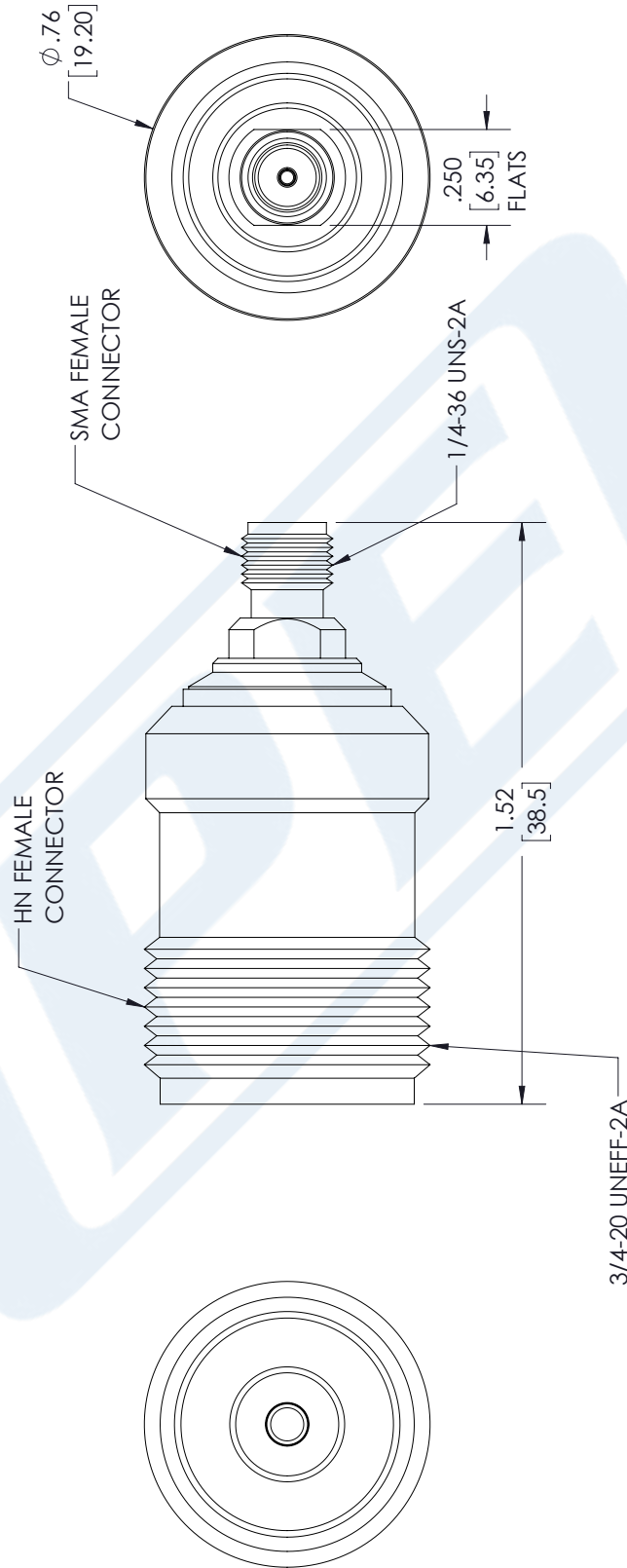
URL: <https://www.pasternack.com/sma-female-hn-female-straight-adapter-pe9255-p.aspx>

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.

PE9255 CAD Drawing

SMA Female to HN Female Adapter

REVISIONS			
REV.	DESCRIPTION	DATE	APPROVED
B	PCR	03/30/2022	SRAUTUS



UNLESS OTHERWISE SPECIFIED LEADING DIMENSIONS ARE INCHES DIMENSIONS IN [] ARE MILLIMETERS	
TOLERANCES:	
.X = ± .2	[.08] FRACTIONS
.XX = ± .02	[.51] ± 1/32
.XXX = ± .005	[.13] ANGLES ± 1°
CABLE LENGTH (L) TOLERANCES:	
L ≤ 12 [305] = +1 [25] / -0	
12 [305] < L ≤ 60 [1524] = +2 [51] / -0	
60 [1524] < L ≤ 120 [3048] = +4 [102] / -0	
120 [3048] < L ≤ 300 [7620] = +6 [152] / -0	
300 [7620] < L = +5%L / -0	
ALL DIMENSIONS SHOWN ARE FOR REFERENCE ONLY.	

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SIZE	53919
CAGE CODE	BPUCHASKI
DRAWN BY	ITEM NO.
A	PE9255
REV	B

THIRD-ANGLE PROJECTION	
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SCALE	N/A

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