



SMA Male to SMA Male Adapter

RF Adapters Technical Data Sheet

PE91135

Configuration

- SMA Male Connector 1
- SMA Male Connector 2
- 50 Ohm
- Straight Body Geometry

Features

- Max VSWR of 1.23:1 up to 18 GHz
- SMA interface compliant with MIL-STD-348
- 100 μ -in minimum contact plating
- Gold Plated Brass Contact

Applications

- General Purpose Test

Description

Pasternack's PE91135 SMA male to SMA male 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 SMA adapter has a male to male gender configuration built of durable stainless steel. PE91135 SMA male to SMA male adapter operates to 18 GHz. The Pasternack RF adapter provides excellent VSWR of 1.23:1 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		18	GHz
Impedance		50 Ohm		
VSWR			1.23:1	
Operating Voltage (AC)			500	Vrms

Mechanical Specifications

Size

Length	0.87 in [22.20 mm]
Width	0.32 in [8.00 mm]
Height	0.32 in [8.00 mm]
Weight	0.02 lbs [7.53 g]

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [SMA Male to SMA Male Adapter PE91135](#)



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Description	Connector 1	Connector 2
Type	SMA Male	SMA Male
Polarity	Standard	Standard
Interface Specification	MIL-STD-348	MIL-STD-348
Hex Size	16-May in.	16-May in.
Mating Torque	7 to 10 in-lbs [0.79 to 1.13 Nm]	

Material Specifications

Description	Connector 1		Connector 2	
	Material	Plating	Material	Plating
Type	SMA Male		SMA Male	
Contact	Brass	Gold 100 μ-in minimum	Brass	Gold 100 μ-in minimum
Insulation	PTFE		PTFE	
Body	Passivated Stainless Steel		Passivated Stainless Steel	
Gasket	Silicone		Silicone	
Coupling Nut	Passivated Stainless Steel		Passivated Stainless Steel	

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 Male to SMA Male 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.

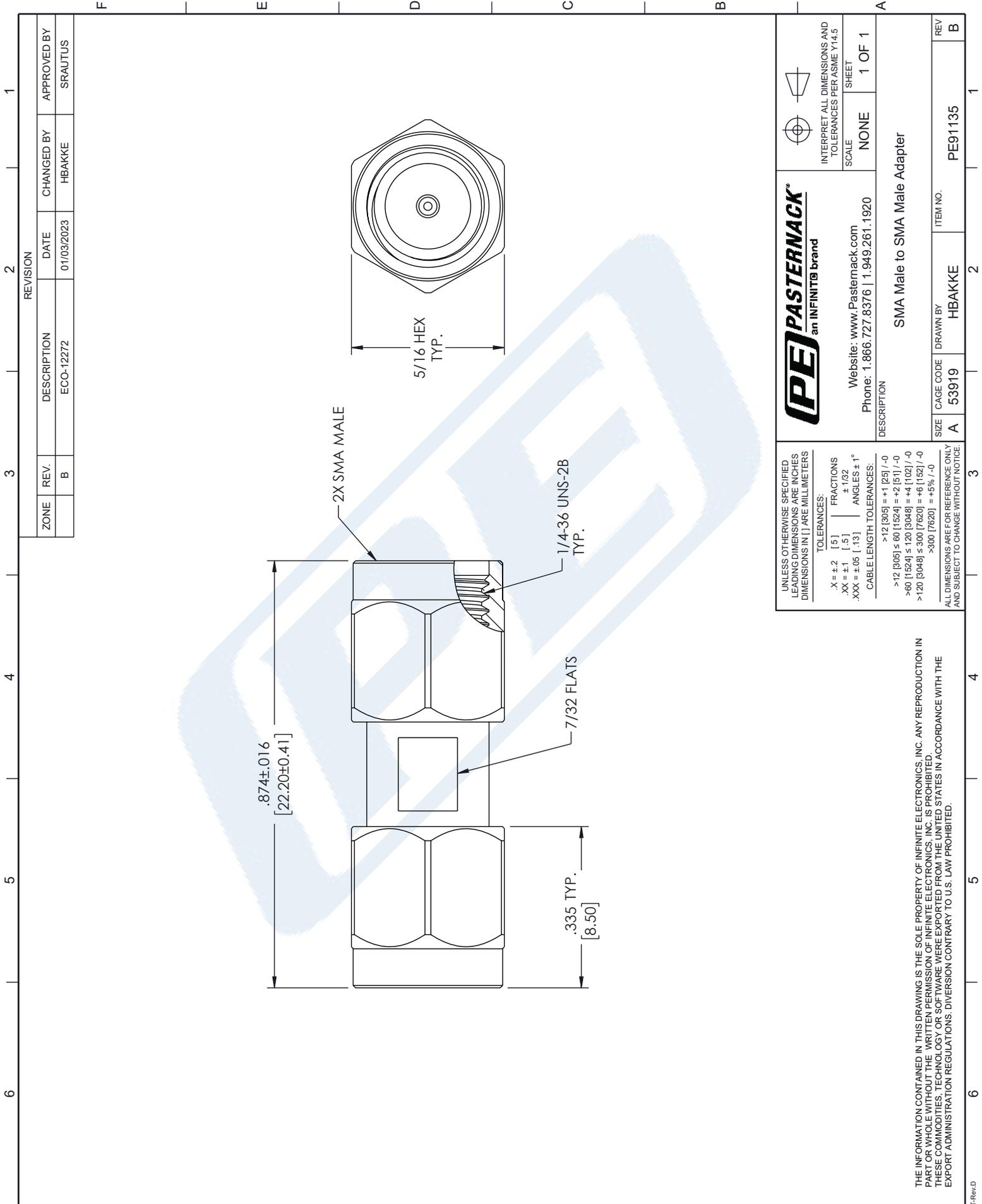
Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [SMA Male to SMA Male Adapter PE91135](https://www.pasternack.com/sma-male-to-sma-male-adapter-pe91135-p.aspx)

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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.

PE91135 CAD Drawing

SMA Male to SMA Male Adapter



REVISION		DATE	CHANGED BY	APPROVED BY		
ZONE	REV.	DESCRIPTION	ECO-12272	01/03/2023	HBAKKE	SRAUTUS
	B					

		INTERPRET ALL DIMENSIONS AND TOLERANCES PER ASME Y14.5 SCALE: NONE SHEET: 1 OF 1	
Website: www.Pasternack.com Phone: 1.866.727.8376 1.949.261.1920		DESCRIPTION: SMA Male to SMA Male Adapter	
SIZE	CAGE CODE	DRAWN BY	ITEM NO.
A	53919	HBAKKE	PE91135

UNLESS OTHERWISE SPECIFIED LEADING DIMENSIONS ARE INCHES DIMENSIONS IN [] ARE MILLIMETERS

TOLERANCES:

X = ±.2 [5] FRACTIONS ±.1032
 .XX = ±.1 [5] ANGLES ± 1°
 .XXX = ±.05 [1.3]

CABLE LENGTH TOLERANCES:

>12 [305] = +1 [25] / -0
 >60 [1524] = +2 [51] / -0
 >120 [3048] = +4 [102] / -0
 >300 [7620] = +5% / -0

ALL DIMENSIONS ARE FOR REFERENCE ONLY AND SUBJECT TO CHANGE WITHOUT NOTICE.

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