



Ruggedized 3.5mm NMD Female to SMA Female Adapter

RF Adapters Technical Data Sheet

PE91147

Configuration

- 3.5mm NMD Female Connector 1
- SMA Female Connector 2
- 50 Ohms
- Ruggedized Design
- Straight Body Geometry

Features

- 4 μ m minimum contact plating
- Gold Plated Beryllium Copper Contact

Applications

- Allows Connection Between Series
- General Purpose Test

Description

Pasternack's PE91147 ruggedized 3.5mm NMD female to SMA female adapter is part of our full line of RF components available for same-day shipping. Our 3.5mm NMD to SMA adapter has a female to female gender configuration in a ruggedized design. PE91147 3.5mm NMD female to SMA female adapter operates to 27 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		27	GHz

Performance by Frequency

Description	F1	F2	F3	F4	F5	Units
Frequency Range	DC to 5	5 to 11	11 to 19	19 to 27		GHz
VSWR, Typ	1.05:1	1.07:1	1.1:1	1.3:1		

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

Mechanical Specifications

Size

Length	1.32 in [33.53 mm]
Width	0.86 in [21.84 mm]
Weight	0.103 lbs [46.72 g]

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [Ruggedized 3.5mm NMD Female to SMA Female Adapter PE91147](#)



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Description	Connector 1	Connector 2
Type	3.5mm NMD Female	SMA Female
Polarity	Standard	Standard

Material Specifications

Description	Connector 1		Connector 2	
	Material	Plating	Material	Plating
Type	3.5mm NMD Female		SMA Female	
Contact	Beryllium Copper	Gold 4 µin minimum	Beryllium Copper	Gold 4 µin minimum
Insulation	Oxide-Noryl		Oxide-Noryl	
Outer Conductor	Passivated Stainless Steel		Passivated Stainless Steel	
Coupling Nut	Passivated Stainless Steel			

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

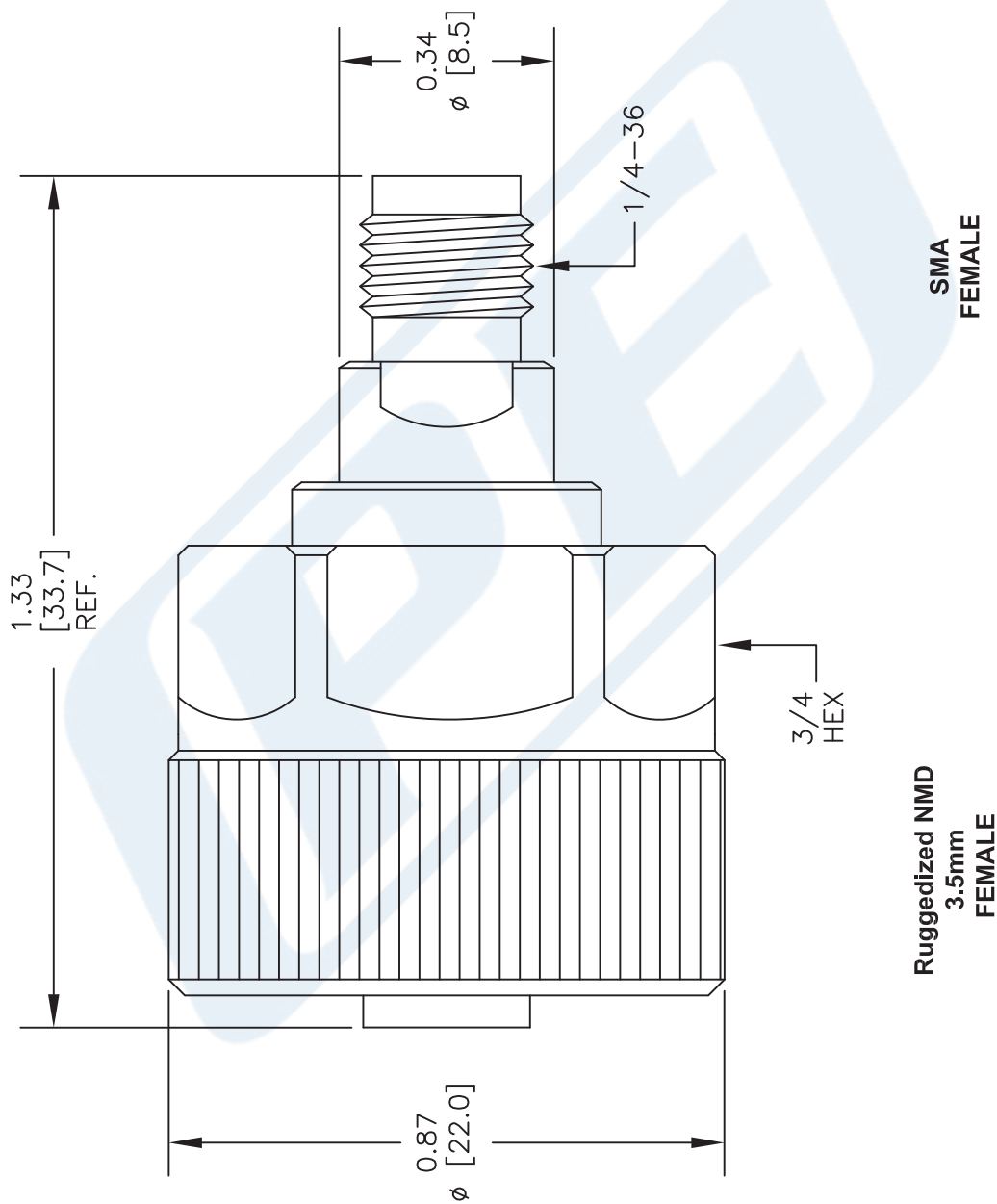
Ruggedized 3.5mm NMD Female to SMA Female Adapter from Pasternack Enterprises has same day shipment for domestic and International orders. Our RF, microwave and millimeter wave products maintain a 99% availability and are part of the broadest selection in the industry.

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [Ruggedized 3.5mm NMD Female to SMA Female Adapter PE91147](#)

URL: <https://www.pasternack.com/3.5mm-nmd-female-sma-female-straight-adapter-pe91147-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.

PE91147 CAD Drawing
Ruggedized 3.5mm NMD Female to SMA Female Adapter



DWG TITLE

PE91147

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].

FSCM NO. 53919

CAD FILE 020414

SCALE N/A

SIZE A

150

PE PASTERNAK
THE ENGINEER'S RF SOURCE

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