

Precision 3.5mm Male to N Male Adapter



PE5168

Configuration

- 3.5mm Male Connector 1
- N Male Connector 2
- 50 Ohms Impedance

- Precision Design
- Straight Body Geometry

Features

- Max VSWR of 1.15:1 up to 18 GHz
- 3.5mm interface compliant with MIL-STD-348B

- Type N interface compliant with MIL-STD-348B
- Plated Passivated Stainless Steel Contact

Applications

- Allows Connection Between Series
- General Purpose Test

- Precision Test & Measurement

Description

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Electrical Specifications

Description	Minimum	Typical	Maximum	Units
Frequency Range	DC		18	GHz
Impedance		50		Ohms
VSWR			1.15:1	
Insertion Loss			2.12	dB

Mechanical Specifications

Size

Length	1.28 in [32.51 mm]
Width	0.75 in [19.00 mm]
Height	0.75 in [19.00 mm]
Weight	0.07 lbs [29.48 g]

Description	Connector 1	Connector 2
Interface Specification	MIL-STD-348B	MIL-STD-348B
Mating Cycles, Min	500	500
Mating Torque	7.1 to 9.7 in-lbs 0.80 to 1.10 Nm	6 to 10 in-lbs 0.68 to 1.13 Nm
Contact Retention Force, Min	60.7 lbs [27.53 kg]	101.2 lbs [45.9 kg]
Contact Captivation Axial Force, Min	6.1 lbs [2.77 kg]	6.3 lbs [2.86 kg]
Coupling Proof Torque	15 in-lbs [1.7 Nm]	15 in-lbs [1.7 Nm]

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Material Specifications

Description	Connector 1		Connector 2	
	Material	Plating	Material	Plating
Type	3.5mm Male		N Male	
Contact	Passivated Stainless Steel		Passivated Stainless Steel	
Outer Conductor	Passivated Stainless Steel		Passivated Stainless Steel	
Body	Passivated Stainless Steel		Passivated Stainless Steel	
Gasket	Silicone		Silicone	

Environmental Specifications

Temperature

Operating Range

-65 to +165 °C

Humidity

MIL-STD-202, Method 206

Thermal Shock

MIL-STD-202, Method 107, Condition B

Salt Spray

MIL-STD-202, Method 101, Condition B

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

Plotted and Other Data

Precision 3.5mm Male to N 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: [Precision 3.5mm Male to N Male Adapter PE5168](#)

URL: <https://www.pasternack.com/precision-3.5mm-male-to-n-male-adapter-pe5168.html>

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

PE5168 CAD Drawing
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