

N Female Low PIM Connector Clamp/Non-Solder Contact Attachme nt for ET38361, 1/2 inch Flexible, 1/2 inch Annular, IP67 Rated



RF Connectors Technical Data Sheet

ET10950

Configuration

- N Female Connector
- IEC 60169-16
- 50 Ohms
- Straight Body Geometry

Features

- Max. Operating Frequency 3.6 GHz
- Excellent VSWR of 1.1:1
- PIM levels lower than -160 dBc

- ET-1/2FAC, 1/2 inch Flexible, 1/2 inch Annular Interface Type
- Clamp/Non-Solder Contact Attachment
- Low PIM Design
- Silver Plated Spring Copper Contact
- 5 µm minimum contact plating
- IP67 Rated

Applications

- General Purpose Test
- Wireless Communications
- Custom Cable Assemblies
- Low PIM Applications

Description

Ebeestock's ET10950 type N female low PIM connector with clamp/non-solder contact attachment for ET-1/2FAC, 1/2 inch Flexible and 1/2 inch Annular is part of our full line of RF components available for same-day shipping. Our type N female connector operates up to a maximum frequency of 3.6 GHz and offers excellent VSWR of 1.1:1. The type N female connector also has low passive intermodulation of -160 dBc. The connector has an IP67 rating to protect against dust and temporary moisture protection under immersion conditions.

Our type N female connector ET10950 datasheet specifications and drawing with dimensions are shown below in this PDF. Ebeestock's broad catalog of RF, microwave and millimeter wave connectors allows designers to configure and customize their signal connections however they like. Whether the need is to provide an I/O for a board design, or simply create a custom cable assembly configuration, Ebeestock has the right connector for the job. Ebeestock can also expertly build your custom cable assemblies for you and ship same-day.

Electrical Specifications

Description	Minimum	Typical	Maximum	Units
Frequency Range	DC		3.6	GHz
VSWR			1.1:1	
Passive Intermodulation			-160	dBc
using 2x20W tones				
Operating Voltage (DC)			1,700	Vdc
Dielectric Withstanding Voltage (DC)			2,500	Vdc
Inner Conductor DC Resistance			0.8	mOhms
Outer Conductor DC Resistance			0.4	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: N Female Low PIM Connector Clamp/Non-Solder Contact Attachment for ET-1/2FAC, 1/2 inch Flexible, 1/2 inch Annular, IP67 Rated ET10950

8th Floor, Building 1, Yongfu Science and Technology Center Industrial Park, Nanzha District 5, Humen,523900, Dongguan, Guangdong, China.



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Performance by Frequency

Description		F2	F3	F4	F5	Units
Frequency Range	DC to 3					GHz
Insertion Loss, Max	0.1					dB

Mechanical Specifications

Size

 Length
 2.38 in [60.45 mm]

 Width/Dia.
 0.85 in [21.59 mm]

 Weight
 0.225 lbs [102.06 g]

Material Specifications

Mating Cycles

Description	Material	Plating		
Contact	Spring Copper	Silver 5 µm minimum		
Insulation	PTFE			
Outer Conductor	Brass	Nickel 5 µm minimum		
Body	Brass	Tri-Metal 2 µm minimum		

500 Cycles

Environmental Specifications

Temperature

Operating Range
Ingress Protection (IP) Rating
Shock
Vibration
Thermal Shock

-40 to +85 deg C
IP67 Rated
IEC 60068-2-27
IEC 60068-2-6-Fc
IEC 60068-2-14-Na

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Compliance Certifications (see product page for current document)

Plotted and Other Data

Notes:

N Female Low PIM Connector Clamp/Non-Solder Contact Attachment for ET-1/2FAC, 1/2 inch Flexible, 1/2 inch Annular, IP67 Rated from Ebeestock 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.ebeestock.com/n-female-low-pim-connector-clamp-non-solder-contact-attachment-for-pe-1-2fac-1-2-inch-flexible-1-2-inch-annular-ip67-rated-0010950

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

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ET10950 CAD Drawing

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