

N Female Connector for L-400 Coaxial Cable

SKU: ACC-PT-00031

MPN: N2-C-L40

Barcode: 9337692003295

Description

The N Female Connector for L-400 Coaxial Cable, part number N2-C-L40, is a high-quality RF connector crafted by Powertec. Designed for optimal performance, it features a straight body and free-hanging mounting style, perfectly suited for L-400 cable types using a cable crimp attachment. Constructed from nickel-plated brass with gold-plated brass contacts, this connector ensures reliable conductivity and durability. The PTFE/Teflon insulator enhances electrical insulation, providing a robust solution for various applications.

This connector supports over 500 mating cycles and operates within a temperature range of -55 °C to 165 °C. It offers an operating frequency range from 0 to 6.0 GHz and maintains an input impedance of 50 Ω. With an insulation resistance of ≥ 5000 mΩ and RF operating voltage of ≤ 1000 Vrms, it delivers dependable performance. The VSWR remains $\leq 1.5:1$ at 6000 MHz, ensuring minimal signal reflection and loss.

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RF Connector Interface

RF Interface	Body Shape	Mounting
N Female	Straight	Free Hanging

RF Specification

Start Frequency:	0 GHz	Input Impedance:	50
Stop Frequency:	6 GHz	Insulation Resistance:	$\geq 5000 \text{ m}\Omega$
		RF Operating Voltage:	$\leq 1000 \text{ Vrms}$

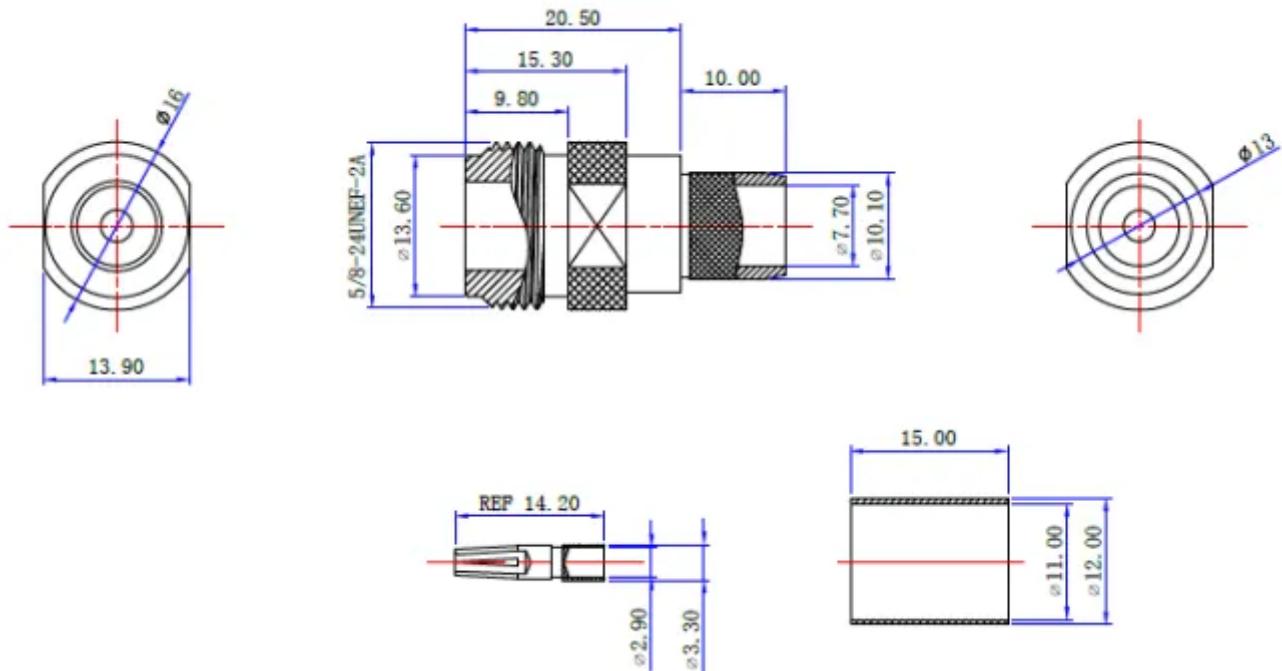
VSWR Measurement

Frequency	VSWR
6000 MHz	$\leq 1.5:1$

Physical Specification

Cable Group:	L-400	Conductor Attachment:	Cable, Crimp
Body Material:	Brass	Contact Material:	Brass
Body Plating:	Nickel	Contact Plating:	Gold
Insulator Material:	PTFE / Teflon	Min. Operating Temperature:	-55 °C
Dimensions:	20.5 x 13.6	Max. Operating Temperature:	165 °C
Compliance/Certifications:	RoHS	Mating Cycles:	> 500

Drawing



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