

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 m Ω 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.

Compliant...

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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: | ≥ 5000 mΩ |
| | | RF Operating Voltage: | ≤ 1000 Vrms |

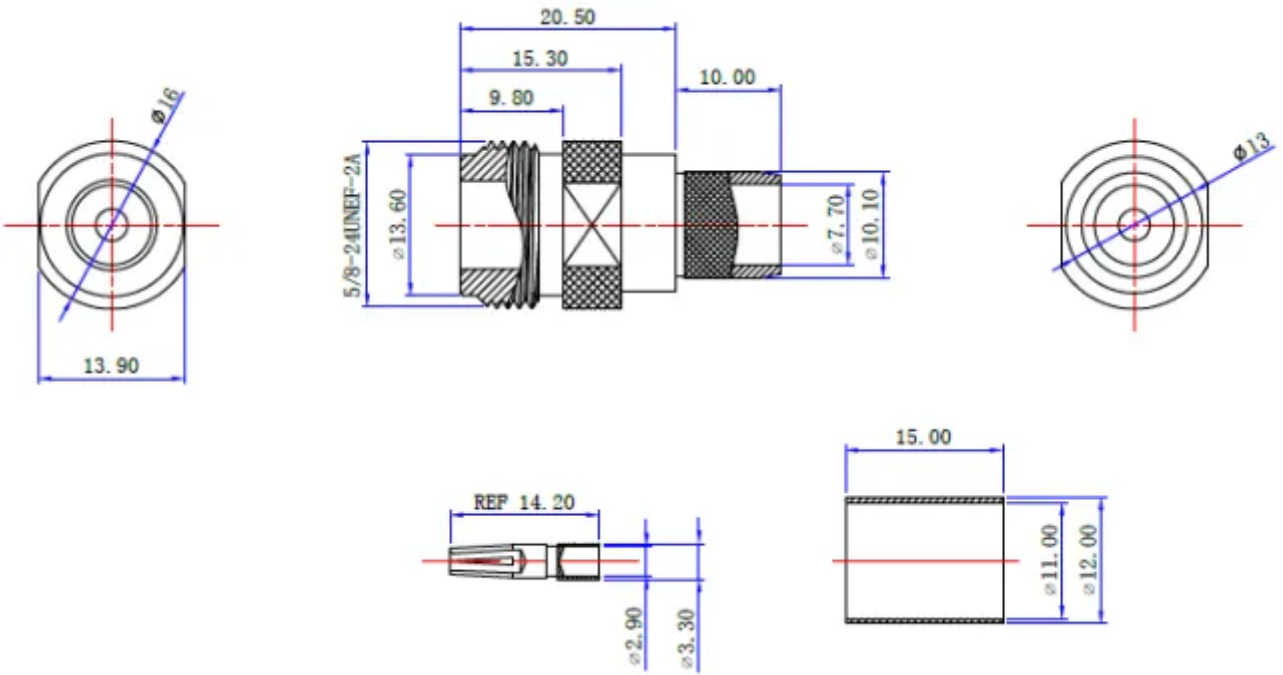
VSWR Measurement

| Frequency | VSWR |
|-----------|---------|
| 6000 MHz | ≤ 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 × 13.6 | Max. Operating Temperature: | 165 °C |
| Compliance/Certifications: | RoHS | Mating Cycles: | > 500 |

Drawing



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