

RP-SMA Female Connector for L-240 Coaxial Cable

SKU: ACC-PT-00531

MPN: RSA2-C-L24

Description

The RP-SMA Female Connector for L-240 Coaxial Cable is a specialised component designed for robust RF applications. Developed by Powertec, this connector is integral to establishing reliable wireless network connections. Its primary function is to provide a secure and efficient interface between L-240 coaxial cables and RF devices, often used in telecommunications, signal processing, and wireless communication systems. The connector's straight body and free-hanging mounting style facilitate ease of installation and integration into existing systems.

Constructed from high-quality brass with a nickel plating, and featuring gold-plated inner contacts, this connector ensures excellent conductivity and corrosion resistance. The use of PTFE/Teflon as an electrical insulator enhances its performance, allowing it to operate effectively within a temperature range of -55 °C to 155 °C. This makes it suitable for both indoor and outdoor applications...

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Powertec is a wireless technology manufacturer and systems integrator based in Australia. Operating since 1995, Powertec has grown to become the leading wireless technology distributor in its region, and a leading Infratech systems developer. Supporting over 1500 partners the company provides procurement, design, project management, and support services across Australia, New Zealand, Pacific ...

RF Connector Interface

| | | |
|---------------------|-------------------|-----------------|
| RF Interface | Body Shape | Mounting |
| RP-SMA Female | Straight | Free Hanging |

RF Specification

| | | | |
|------------------|-------|------------------------|------------|
| Start Frequency: | 0 GHz | Input Impedance: | 50 |
| Stop Frequency: | 6 GHz | Insulation Resistance: | ≥ 5000 mΩ |
| | | RF Operating Voltage: | ≤ 260 Vrms |

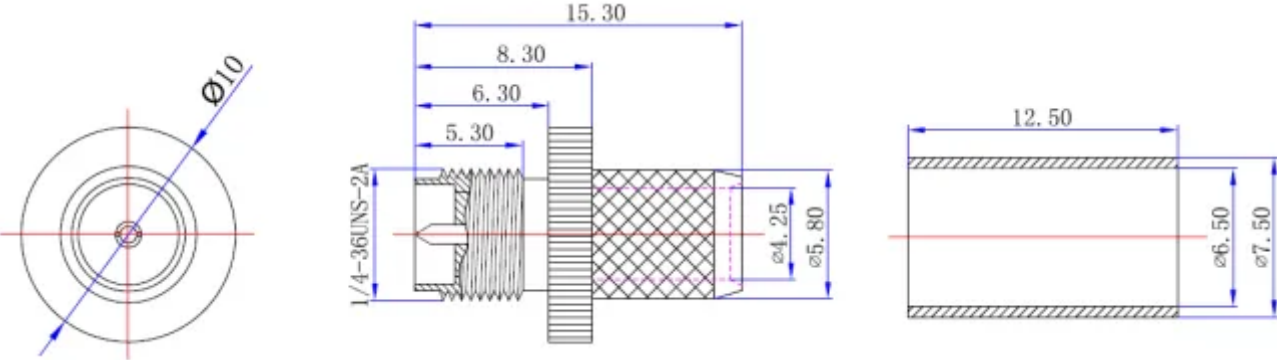
VSWR Measurement

| Frequency | VSWR |
|-----------|---------|
| 6000 MHz | ≤ 1.3:1 |

Physical Specification

| | | | |
|----------------------------|---------------|-----------------------------|--------------|
| Cable Group: | L-240 | Conductor Attachment: | Cable, Crimp |
| Body Material: | Brass | Contact Material: | Brass |
| Body Plating: | Gold | Contact Plating: | Gold |
| Insulator Material: | PTFE / Teflon | Min. Operating Temperature: | -55 °C |
| Dimensions: | 15.30 × 10 | Max. Operating Temperature: | 155 °C |
| Compliance/Certifications: | RoHS | | |

Drawing



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