

# 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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# 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:	$\geq 5000 \text{ m}\Omega$
		RF Operating Voltage:	$\leq 260 \text{ Vrms}$

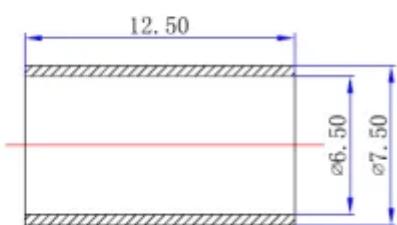
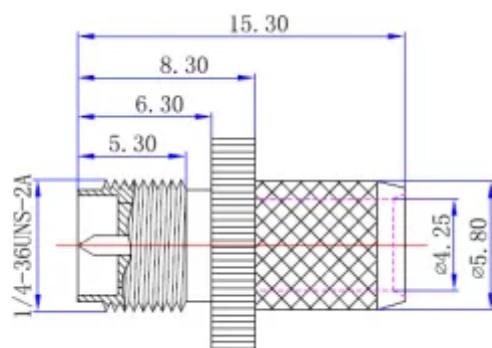
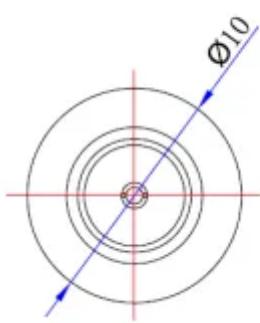
### VSWR Measurement

Frequency	VSWR
6000 MHz	$\leq 1.3:1$

## 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 x 10	Max. Operating Temperature:	155 °C
Compliance/Certifications:	RoHS		

## Drawing



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