

# SMA Male Connector for L-240 Cable, Right Angle

SKU: ACC-PT-00395  
 MPN: SA1-C-L24.RA  
 Barcode: 9337692004933

## Description

SMA connectors have become the mainstay of low frequency wireless technologies.

This Right Angle SMA Male connector is designed for a standard crimp and solder attachment to LMR-240 series coaxial cables. This model has been designed for extended operation to 6 GHz.

Installation is very simple. After preparing the cable, the pin is soldered onto the centre conductor and outer body pushed over the top until the pin sits flush. A standard 6.48 mm (.255") hex die is used to crimp the ferrule.

Right angle connectors are popular for applications where installation space is in short supply. This connector type is commonly used inside communications boxes and cabinets, and for passive components mounted on backing boards.



### RF Connector Interface

| RF Interface | Body Shape  | Mounting     |
|--------------|-------------|--------------|
| SMA Male     | Right Angle | Free Hanging |

## RF Specification



### Powertec

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 ...

|                  |       |                           |                             |
|------------------|-------|---------------------------|-----------------------------|
| Start Frequency: | 0 GHz | Input Impedance:          | 50                          |
| Stop Frequency:  | 6 GHz | Inner Contact Resistance: | $\leq 1 \text{ m}\Omega$    |
|                  |       | Insulation Resistance:    | $\geq 5000 \text{ m}\Omega$ |
|                  |       | Outer Contact Resistance: | $\leq 1 \text{ m}\Omega$    |
|                  |       | RF Operating Voltage:     | $\leq 260 \text{ Vrms}$     |

#### VSWR Measurement

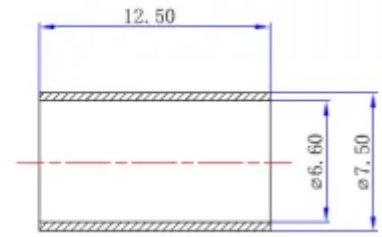
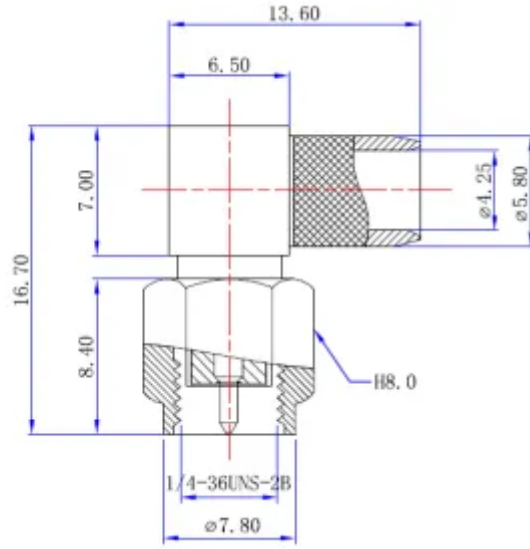
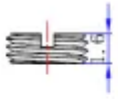
| Frequency | VSWR         |
|-----------|--------------|
| 6000 MHz  | $\leq 1.5:1$ |

## 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: | $-55 \text{ }^\circ\text{C}$ |
| Dimensions:                | $16.7 \times 13.6 \times 8$ | Max. Operating Temperature: | $155 \text{ }^\circ\text{C}$ |
| Weight:                    | 7.4 g                       | Mating Cycles:              | $> 500$                      |
| Compliance/Certifications: | ISO 9001 Quality Management |                             |                              |

RoHS

# Drawing



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