

# 4.3-10 Male Connector for RG-402 Cable, Solder

SKU: ACC-PT-00384  
 MPN: 431-S-402  
 Barcode: 9337692004414

## Description

4.3-10 RF connectors are designed to meet the advanced demands of 4G and 5G applications, supporting SINR sensitive applications, very high order modulation schemes, wide aggregated bandwidths, and extended operating bands up to 6 GHz.

With the deprecation of N connectors, 4.3-10 connectors are a popular replacement in passive and off-air IBC where RG-402 forms an integral patching component.

This 4.3-10 Male connector terminates 0.141" Semi Rigid and Semi-Flexible cables, such as RG-402. The connector is weatherproof when mated with an IP65 female connector.

### Read More

This RG-402 connector commonly finds its use in OTA and Distributed Antenna Systems, as well as a range of military and aerospace applications.

Both inner conductor and outer conductor must be soldered to the coaxial cable. No crimping tool is used.



### RF Connector Interface

| RF Interface | Body Shape | Mounting     |
|--------------|------------|--------------|
| 4.3-10 Male  | Straight   | 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:     | $\leq 500 \text{ Vrms}$     |

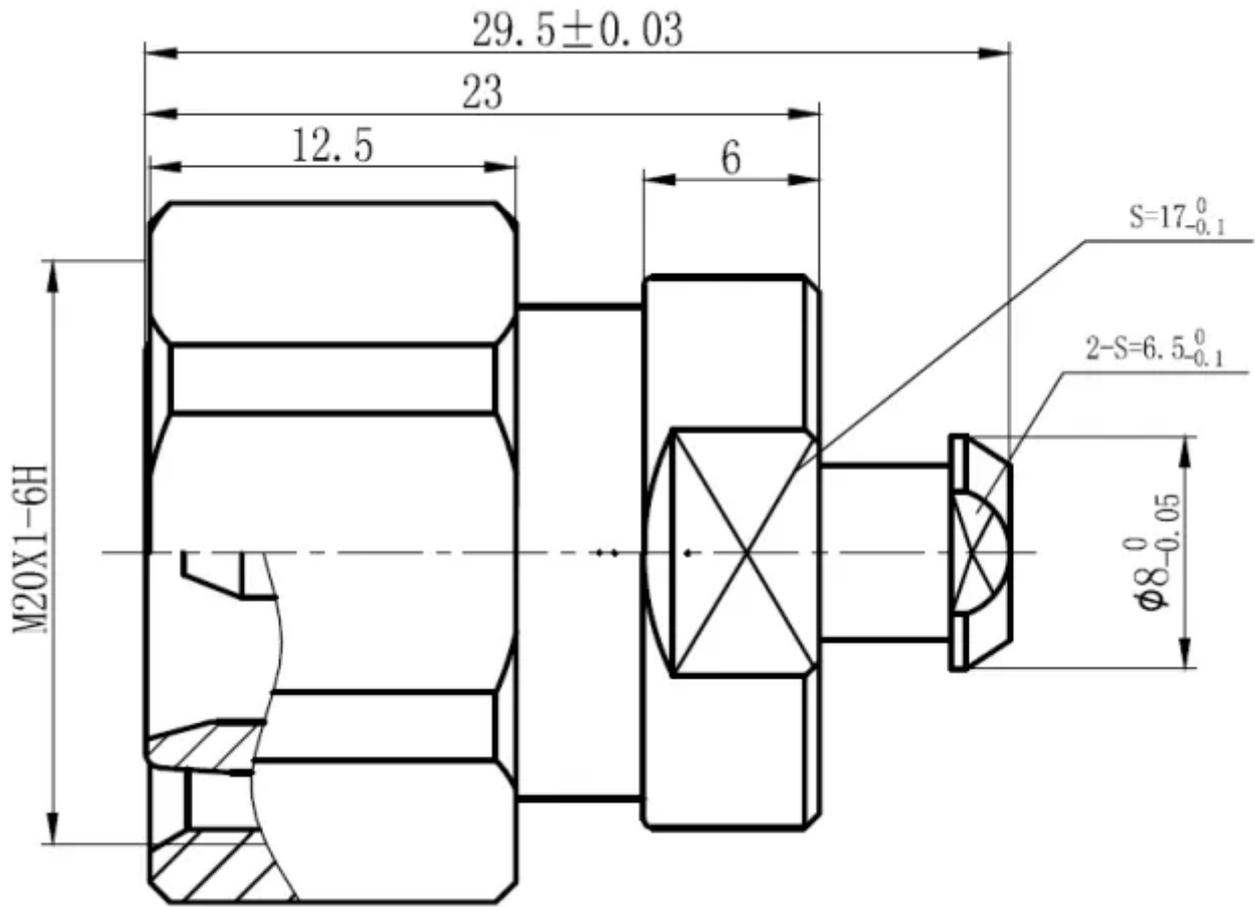
#### VSWR Measurement

| Frequency | VSWR          |
|-----------|---------------|
| 3000 MHz  | $\leq 1.15:1$ |
| 6000 MHz  | $\leq 1.3:1$  |

## Physical Specification

|                            |                             |                             |                              |
|----------------------------|-----------------------------|-----------------------------|------------------------------|
| Cable Group:               | RG-402                      | Conductor Attachment:       | Cable, Solder                |
| Body Material:             | Brass                       | Contact Material:           | Brass                        |
| Body Plating:              | White Bronze                | Contact Plating:            | Gold                         |
| Insulator Material:        | PTFE / Teflon               | Min. Operating Temperature: | $-40 \text{ }^\circ\text{C}$ |
| Dimensions:                | $29.5 \times 34 \times 34$  | Max. Operating Temperature: | $85 \text{ }^\circ\text{C}$  |
| Weight:                    | 49 g                        | Mating Cycles:              | $> 500$                      |
| Compliance/Certifications: | ISO 9001 Quality Management |                             |                              |
| RoHS                       |                             |                             |                              |

Drawing



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