Powertec Wireless Technology
ABN: 42 082 948 463
PO Box 1034, Ashmore City
Queensland, Australia, 4214
sales@powertec.com.au
1300 769 378

SMA Male Straight Solder Connector for RG-402 Cable

SKU
ACC-PT-00389
MPN
SA1-S-402
Barcode
9337692004957

Description

SMA solder connectors are used within high performance radio communications systems, such as in 4G and 5G cellular, microwave, mmWave, and aerospace applications.

This connector is used to terminate Semi-Flexible and Semi-Rigid 0.141" cable types such as RG-402, where both the inner conductor and outer braid are soldered to the connector.

As a low-PIM design the connector uses ternary alloys and silver plating to achieve very low VSWR under 3 GHz, and a modest < 1.3:1 VSWR up to 6 GHz.

This SMA Male coaxial connector is used in high performance and general-precision systems up to 6 GHz. Termination of semi-flexible cables, particularly those operating to 6 GHz must be made with great care and precision.

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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 ...

RF Connector Interface

RF Interface	Body Shape	Mounting
SMA Male	Straight	Free Hanging

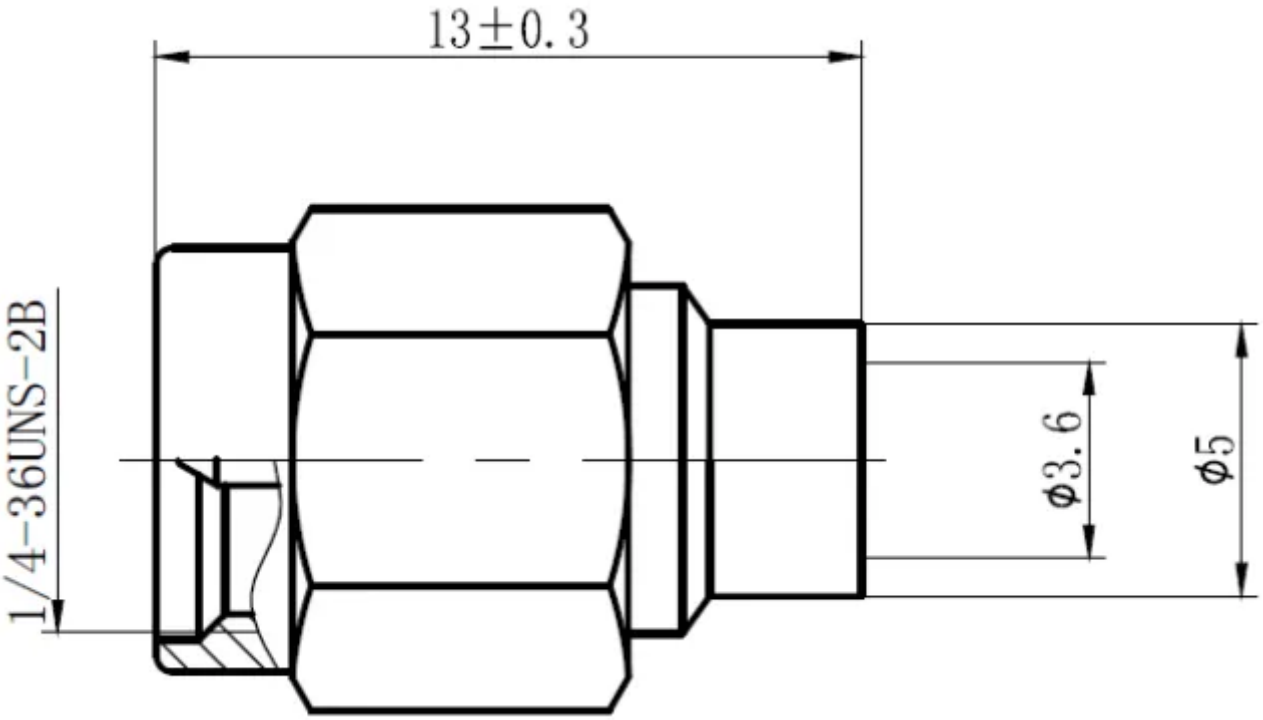
RF Specification

Start Frequency
0 GHz
Stop Frequency
6 GHz
Input Impedance
50 Ω
Inner Contact Resistance
≤ 1 mΩ
Insulation Resistance
≥ 5000 mΩ
Outer Contact Resistance
≤ 1 mΩ
RF Operating Voltage
≤ 260 Vrms
VSWR Measurement

Frequency	VSWR
6000 MHz	≤ 1.2:1

Physical Specification

Cable Group
RG-402
Body Material
Brass
Body Plating
Gold
Insulator Material
PTFE / Teflon
Dimensions
13 × 7.8 × 7.8
Weight
3 g
Compliance/Certifications
ISO 9001 Quality Management
,
RoHS
Conductor Attachment
Cable, Solder
Contact Material
Brass
Contact Plating
Gold
Min. Operating Temperature
-65 °C
Max. Operating Temperature
165 °C
Mating Cycles
> 500
Drawing



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