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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.

[Read More](#)





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

$\leq 1 \text{ m}\Omega$

Insulation Resistance

$\geq 5000 \text{ m}\Omega$

Outer Contact Resistance

$\leq 1 \text{ m}\Omega$

RF Operating Voltage

≤ 260 Vrms

VSWR Measurement

Frequency VSWR

6000 MHz $\leq 1.2:1$

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](#)

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[RoHS](#)

Conductor Attachment

[Cable, Solder](#)

Contact Material

[Brass](#)

Contact Plating

[Gold](#)

Min. Operating Temperature

-65 °C

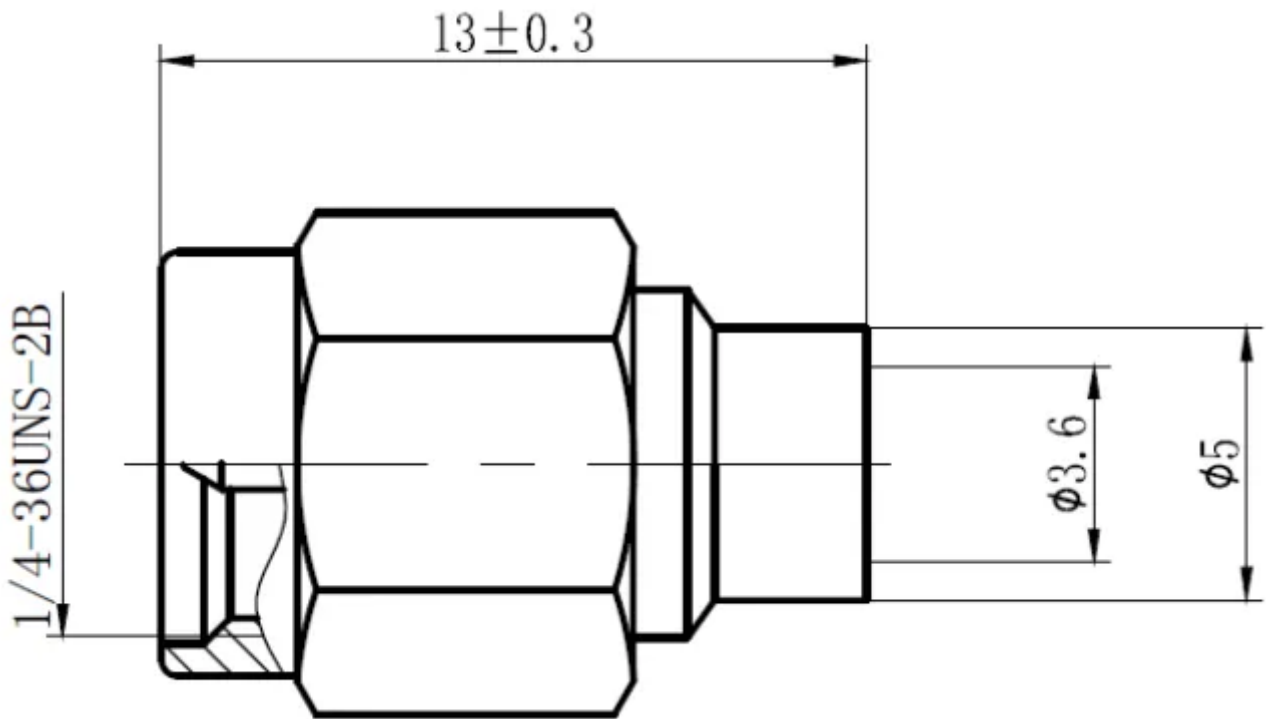
Max. Operating Temperature

165 °C

Mating Cycles

> 500

Drawing



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