

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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RF Connector Interface

RF Interface

SMA Male

Body Shape

Straight

Mounting

Free Hanging

RF Specification

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:	$\leq 260 \text{ Vrms}$

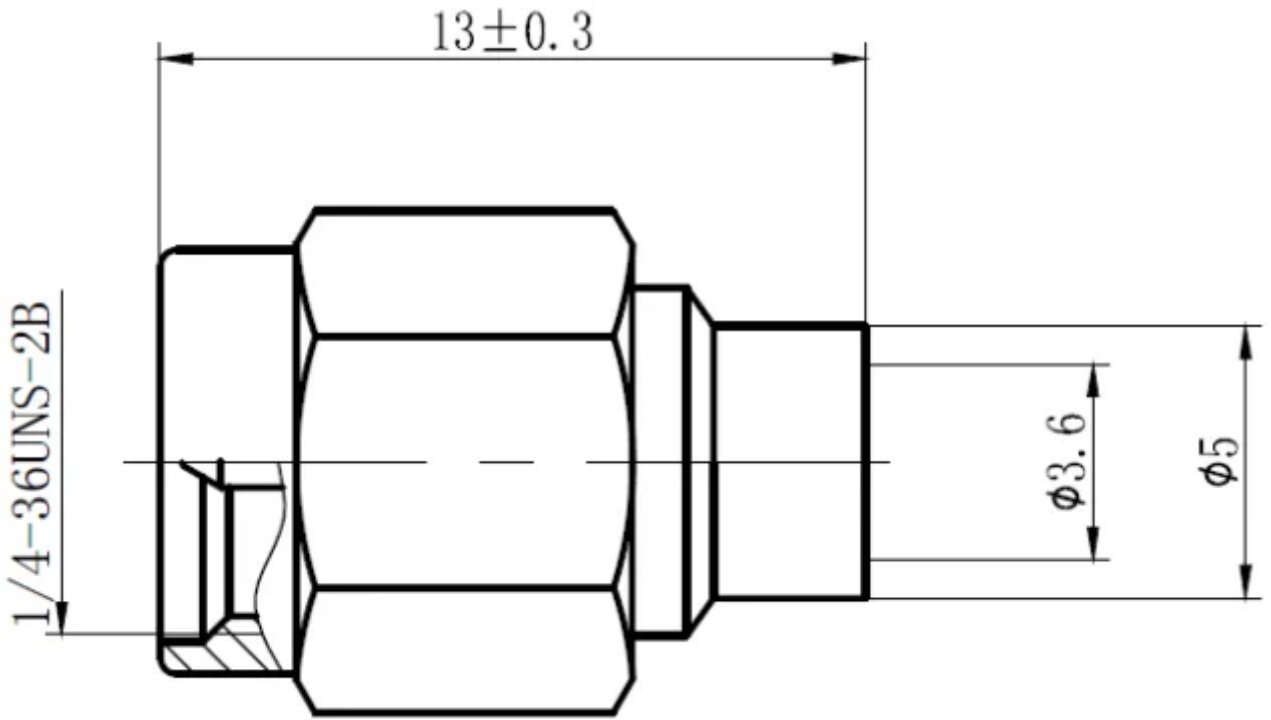
VSWR Measurement

Frequency	VSWR
6000 MHz	$\leq 1.2:1$

Physical Specification

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

Drawing



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