

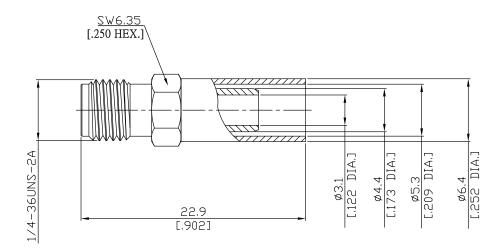
## Technical Data Sheet

# SMA Straight Cable Jack

# SMA2C50-G142A/91

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All dimensions are in mm [inch]

Tolerances according to DIN ISO 2768-mH

#### Interface According to

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MIL-C-39012; MIL-STD-348A/310

### Electrical Data

Impedance  $50 \Omega$ 

Frequency DC to 12.4 GHz VSWR (Return Loss)  $\leq 1.04 (\geq 34.15 c)$ 

(SWR (Return Loss) ≤ 1.04 (≥ 34.15 dB), DC to 1 GHz ≤ 1.05 (≥ 32.26 dB), 1 to 2.5 GHz ≤ 1.20 (≥ 20.83 dB), 2.5 to 5 GHz

Insertion Loss  $\leq 0.04 \times \sqrt{F (GHz)} dB$ , DC to 5 GHz

- Limitations are possible due to the used cable type -

#### Mechanical Data

Coupling mechanisms

Centre contact

Cable entry

Screw-lock

Soldered

Crimped

### Environmental Data

Temperature range  $-65\,^{\circ}\text{C}$  to  $+165\,^{\circ}\text{C}$  RoHS compliant

#### Material And Platina

Connector parts	Material	Plating
Centre contact	Beryllium Copper	Gold plating(Nickel underplated)
Body	Brass	Gold plating(Nickel underplated)
Insulator	PTFE	
Crimp ferrules	Brass	Gold plating(Nickel underplated)

### Suitable Cables

RG55, RG 142, RG 223, RG 400

Packing

Single or 100

The facts and figures herein are carefully compiled to the best of our knowledge, but they are intended for general informational purposes only.	Kev.:-	Rosnol RF/Microwave Technology www.rosnol.com ; info@rosnol.com
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