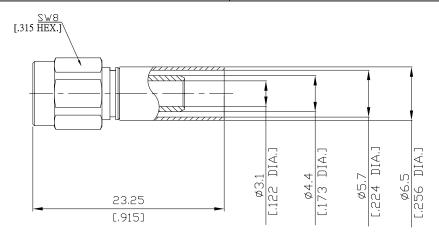


Technical Data Sheet

SMA Straight Cable Plug

SMA1C50-G142A/911



All dimensions are in mm [inch]

Tolerances according to DIN ISO 2768-mH

Interface

According to

IEC 60169-15; MIL-C-39012; MIL-STD-348A/310

Electrical Data

Impedance

Frequency

VSWR (Return Loss) Insertion Loss

50 Ω

DC to 12.4 GHz

 $\leq 1.20 (\geq 20.1 \text{ dB})$

≤ 0.04 x √F (GHz) dB

- Limitations are possible due to the used cable type -

Mechanical Data

Coupling mechanisms

Centre contact

Cable entry

Screw-lock

Soldered or Crimped

Crimped

Environmental Data

Temperature range

RoHS

-65°C to +165°C compliant

Material And Plating

| Connector parts | Material | Plating |
|-----------------|------------------|----------------------------------|
| Centre contact | Beryllium Copper | Gold plating(Nickel underplated) |
| Body | Brass | Gold plating(Nickel underplated) |
| Insulator | PTFE | |
| Gasket | Silicone Rubber | |
| Coupling nut | Brass | Gold plating(Nickel underplated) |
| 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 |
| In the effort to improve our products, we reserve the right to make changes |
| judged to be necessary. |

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