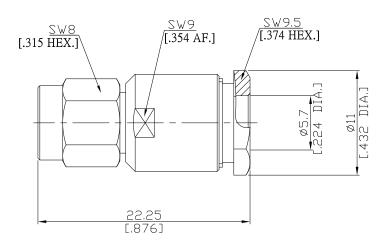


Technical Data Sheet

SMA Straight Cable Plug

SMA1D50-G142A/111



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

VSVVK (Keium Loss)

50 Ω

DC to 12.4 GHz

≤ 1.04 (≥ 34.2 dB), DC to 1 GHz

 \leq 1.05 (\geq 32.3 dB), 1 to 2.5 GHz

 \leq 1.20 (\geq 20.1 dB), 2.5 to 5 GHz

 \leq 0.04 x \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 or Crimped

Clamp

Environmental Data

Temperature range

 RoHS

-65°C to +165°C compliant

Material And Plating

Connector parts	Material	Plating
Centre contact	Brass	Gold plating(Nickel underplated)
Body	Brass	Gold plating(Nickel underplated)
Insulator	PTFE	
Gasket	Silicone Rubber	
Coupling nut	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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