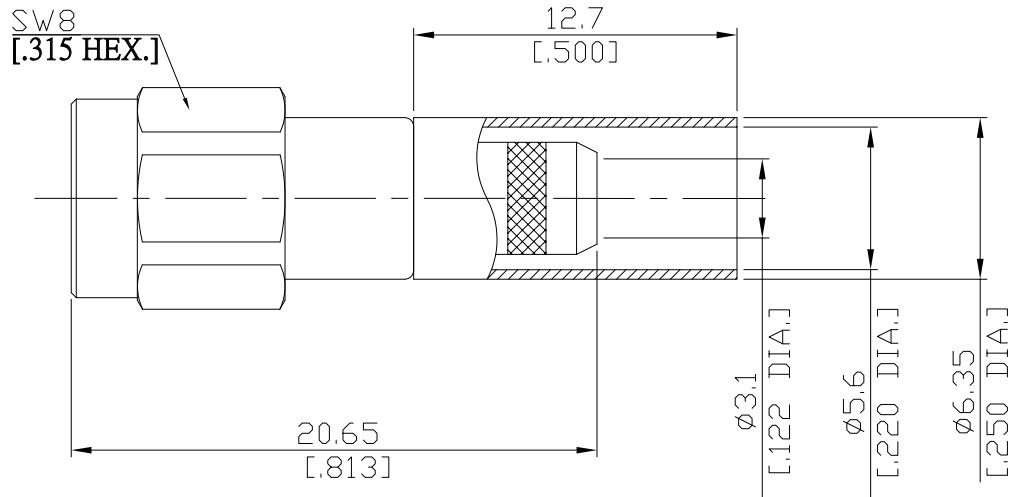




SMA(Male) Straight Cable Plug,
DC-6 GHz

SMA1C50-G142C/111



All dimensions are in mm [inch]

Tolerances according to DIN ISO 2768-mH

Interface

According to IEC 60169-15; MIL-STD-348A/310

Electrical Data

Impedance 50 Ω

Frequency DC to 6 GHz

VSWR (Return Loss) ≤ 1.25 (≥ 19.08 dB), DC to 6 GHz

Insertion Loss $\leq 0.04 \times \sqrt{F \text{ (GHz)}} \text{ dB}$, DC to 6 GHz

- Limitations are possible due to the used cable type and manufacturing process -

Mechanical Data

Coupling mechanisms Screw-lock

Centre contact Soldered or Crimped

Cable entry Crimped

Environmental Data

Temperature range -65 °C to +165 °C

RoHS 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)
Crimp ferrules	Brass	Gold plating(Nickel underplated)

Suitable Cables

RG-55, RG-142, RG-223, RG-400

Packing

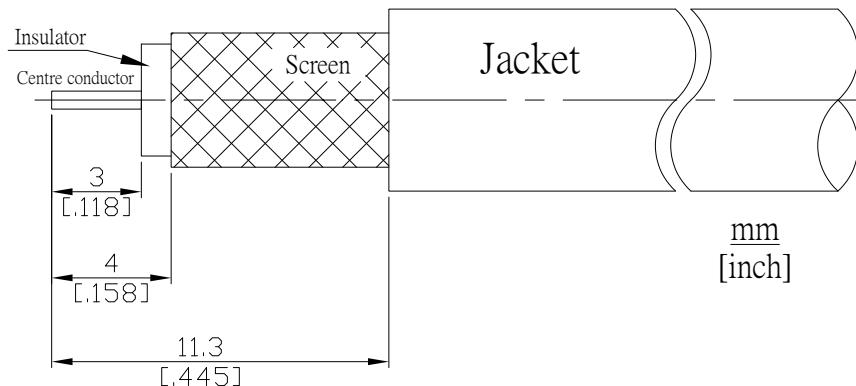
Single, 5-pack, or 100



SMA(Male) Straight Cable Plug,
DC-6 GHz

SMA1C50-G142C/111

Recommended Cable Stripping Dimensions



Crimp Dimensions [HEX]

Crimp ferrule
Centre contact

5.41mm [.213 inch]
1.73mm [.068 inch]