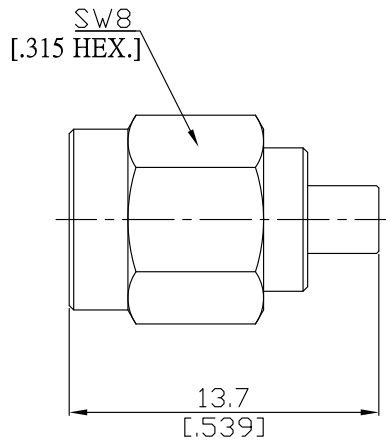


SMA Straight Cable Plug

SMA1C50-G178A/99H



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	50 Ω
Frequency	DC to 6 GHz
VSWR (Return Loss)	≤ 1.12 (≥ 24.9 dB), DC to 1 GHz ≤ 1.22 (≥ 20.1 dB), 1 to 3 GHz ≤ 1.29 (≥ 17.9 dB), 3 to 6 GHz
Insertion Loss	≤ 0.1 × √F [GHz] dB

- Digressions are possible due to the used cable type or 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

Piece Parts	Material	Plating
Centre contact	Beryllium Copper	Gold plating(Nickel underplated)
Body	Beryllium Copper	Gold plating(Nickel underplated)
Insulator	PTFE	
Gasket	Silicone Rubber	
Coupling nut	Phosphor Bronze	Gold plating(Nickel underplated)
Crimp ferrules	Brass	Gold plating(Nickel underplated)

Suitable Cables

RG 178, RG 196

Packing

Single or 100