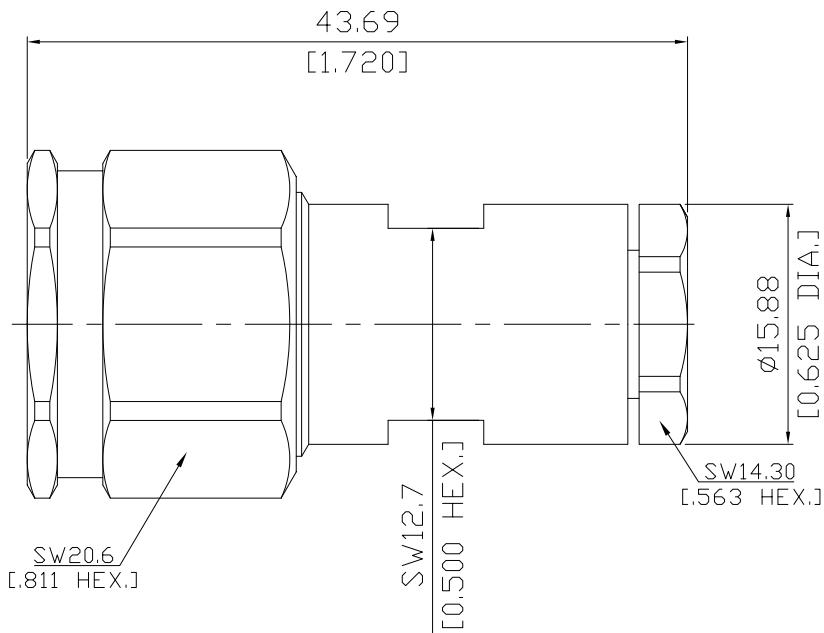


SC Straight Cable Plug

SC1K50-0250A/9XX



All dimensions are in mm [inch]

Tolerances according to DIN ISO 2768-mH

Interface

According to MIL-C-39012; MIL-STD-348A/309

Electrical Data

Impedance	50 Ω
Frequency	DC to 10 GHz
VSWR (Return loss)	≤ 1.20 (≥ 20.83 dB)
Insertion loss	$\leq 0.06 \times \sqrt{F} \text{ (GHz)} \text{ dB}$

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

Mechanical Data

Coupling mechanisms	Screw-lock
Centre contact	Soldered
Cable entry	Solder clamp
Mating cycles	≥ 500

Environmental Data

Temperature range	-65°C to +165°C
RoHS	compliant
Temperature cycling	MIL-STD-202, Meth. 107, Cond. C (-65°C to +165°C)
Shock	MIL-STD-202, Meth. 213, Cond. I (100 Gs)
Vibration	MIL-STD-202, Meth. 204, Cond. D (20 Gs)
Moisture resistance	MIL-STD-202, Meth. 106 (omission of step 7b)
Corrosion	MIL-STD-202, Meth. 101, Cond. B (48 hours)
Barometric pressure (altitude)	MIL-STD-202, Meth. 105, Cond. C (70000 ft; 625 VRMS)

SC Straight Cable Plug

SC1K50-0250A/9XX

Material And Plating

Connector parts	Material	Plating
Centre contact	Beryllium Copper	Gold plating(Nickel underplated)
Body	Stainless Steel	Passivated
Insulator	PTFE	
Gasket	Silicone Rubber	
Coupling nut	Stainless Steel	Passivated

Suitable Cables

Semi-Rigid .250

Packing

Single or 100