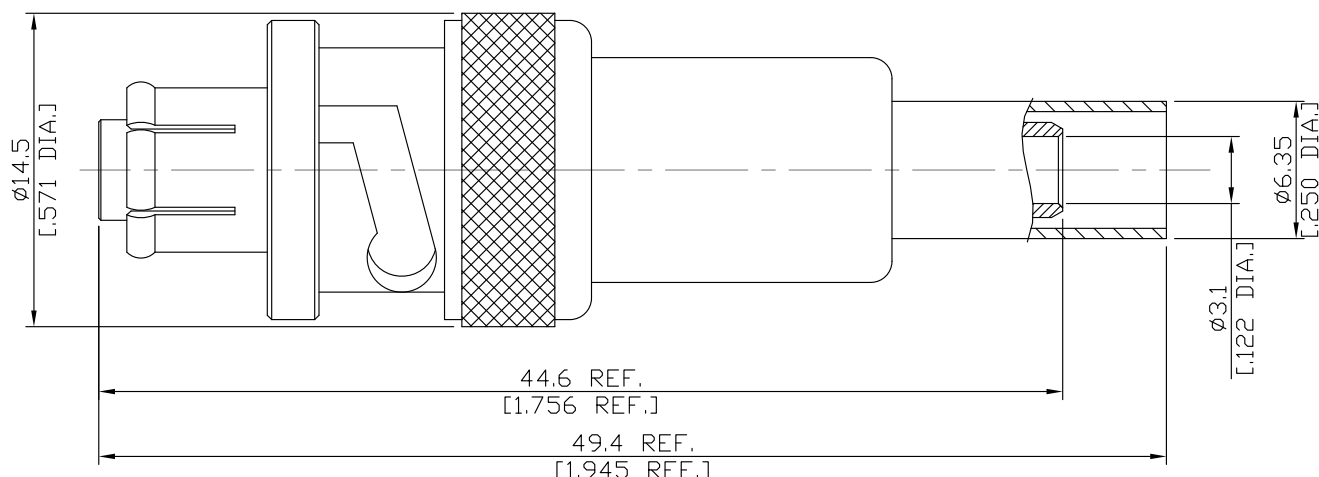


SHV Plug (Male) Straight Connector Crimp / Contact Pin Solder Attachment for
RG58, DC-300 MHz, VSWR 1.22

SHV1C50-G058A / 133



All dimensions are in mm [inch]

Tolerances according to DIN ISO 2768-mH

Interface

According to

IEC 60498; NIM ND-545; MIL-STD-348B/314; ANSI N 24.4

Electrical Data

Impedance	50 Ω
Frequency	DC to 300 MHz
VSWR (Return Loss)	≤ 1.22 (≥ 20.08 dB)
Insulation Resistance	≥ 3 G Ω
Center Contact Resistance	≤ 2 m Ω
Outer Contact Resistance	≤ 1.5 m Ω
Test Voltage	5000 V rms
Working Voltage	3500 V rms

-VSWR in application depends decisive on cable assembly process-

Material And Plating

Piece Parts	Material	Plating
Centre Contact	Brass	Gold plating (Non-magnetic nickel-phosphorus underplating)
Body	Brass	Nickel
Insulator	PTFE	
Gasket	Silicone Rubber	
Coupling Nut	Brass	Nickel
Crimp Ferrules	Brass	Nickel

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Mechanical Data

Coupling Mechanisms	Bayonet Lock
Mating Cycles	≥ 500
Center Contact Captivation: axial	≥ 27 N
Centre Contact	Soldered
Cable Entry	Crimped

Environmental Data

Temperature Range	-65°C to +165°C
Thermal Shock	MIL-STD-202, Method 107, Condition B
Corrosion	MIL-STD-202, Method 101, Condition B
Vibration	MIL-STD-202, Method 204, Condition A
Shock	MIL-STD-202, Method 213, Condition I
Moisture Resistance	MIL-STD-202, Method 106
RoHS	Compliant

Suitable Cables

RG58, RG303, RG141, LMR195, RNL195

Packing

Single or 100