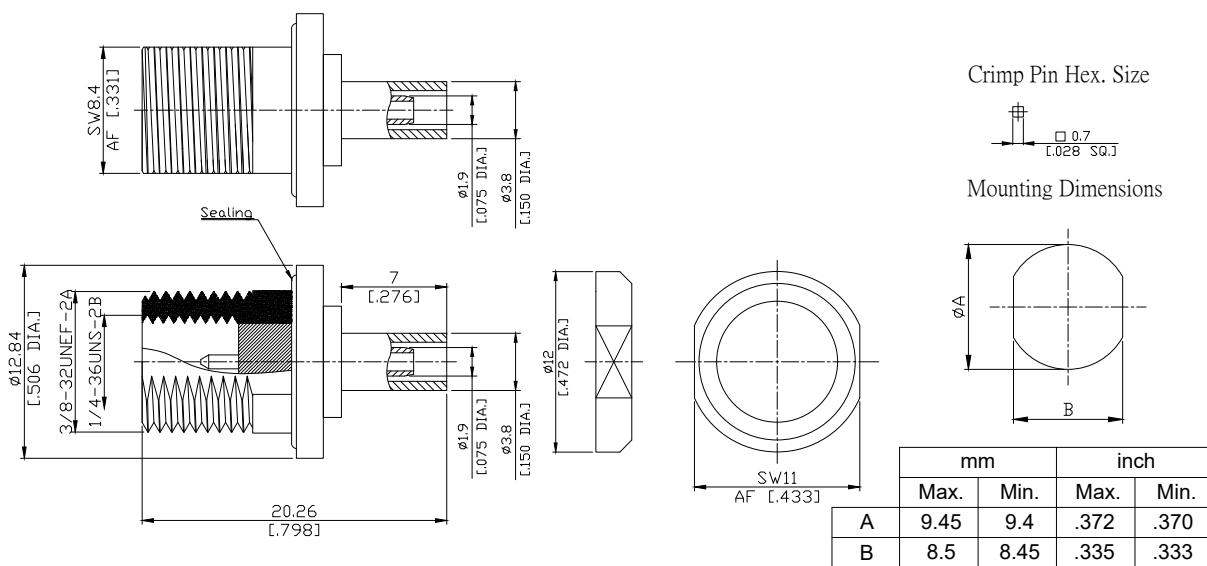


## SMA Plug (Male) Connector Bulkhead Crimp Attachment RG-178 DC-6 GHz VSWR1.2

### SMA1CA50-G178B / 133



All dimensions are in mm [inch]

Tolerances according to DIN ISO 2768-mH

#### Interface

According to

MIL-STD-348B/310; IEC 61169-15

#### Electrical Data

Impedance	50 Ω
Frequency	DC to 6 GHz
VSWR (Return Loss)	≥ 1.2 (≥ 20.8 dB)
Insertion Loss	≤ 0.04 x √F (GHz) dB
Insulation Resistance	≥ 5 GΩ
Center Contact Resistance	≤ 3 mΩ
Outer Contact Resistance	≤ 2 mΩ
Test Voltage	1000 V rms
Working Voltage	480 V rms
RF leakage	≥ 200 dB @ DC to 2 GHz

#### Material And Plating

Connector parts	Material	Plating
Centre contact	Beryllium Copper	Gold plating, 3 pinch (Non-magnetic nickel-phosphorus underplating, 80 pinch)
Body	Brass	Nickel
Insulator	PTFE	
Coupling nut	Brass	Nickel
Crimp ferrules	Brass	Nickel

**SMA Plug (Male) Connector Bulkhead Crimp Attachment RG-178  
DC-6 GHz VSWR1.2****SMA1CA50-G178B / 133****Mechanical Data**

Coupling Mechanisms	Screw-Lock
Mating Cycles	≥ 500
Coupling Nut Retention	≥ 270 N
Center contact captivation: axial	≥ 20 N
Coupling Test Torque	≤ 1.7 Nm
Recommended Torque	0.9 Nm
Centre Contact	Soldered
Cable Entry	Crimped

**Environmental Data**

Temperature Range	-55 °C to +155 °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 D
Shock	MIL-STD-202, Method 213, Condition I
Moisture Resistance	MIL-STD-202, Method 106
RoHS	compliant

**Packing**

Single or 100