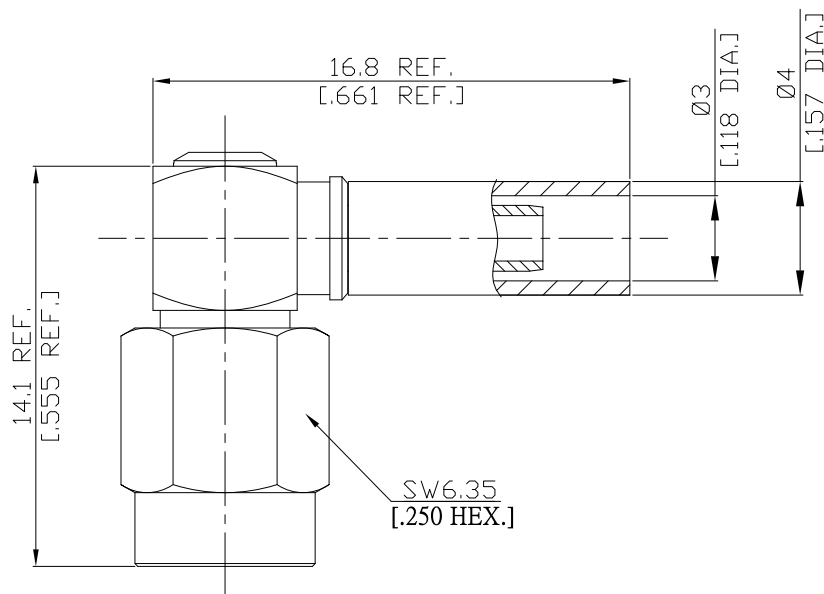


SSMA Plug (Male) Right Angle Connector Crimp/Contact Pin Solder Attachment
for RG316 DC-6GHz VSWR1.25

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All dimensions are in mm [inch]

Tolerances according to DIN ISO 2768-mH

Interface

According to

IEC 60169-23;MIL-PRF-39012;SSMA interface MIL-STD-348

Electrical Data

Impedance	50 Ω
Frequency	DC to 6 GHz
VSWR (Return Loss)	≤ 1.25 (≥ 20.83 dB)
Insertion Loss	≤ 0.04 x √F (GHz) dB
Insulation Resistance	≥ 1 GΩ
Center Contact Resistance	≤ 5 mΩ
Outer Contact Resistance	≤ 2.5 mΩ
Test Voltage	750 V rms
Working Voltage	250 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
Ferrule	Brass	Nickel

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Mechanical Data

Coupling Mechanisms	Screw-Lock
Mating Cycles	≥ 500
Center contact captivation	≥ 22 N
Coupling Test Torque	max. 1.1 Nm
Recommended Torque	0.8 to 0.9 Nm
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	salt spray test acc. to 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

Suitable Cables

RG 316/U, RG 174 A/U, RG 188, G 02232, BELDEN 7805

Packing

Single or 100