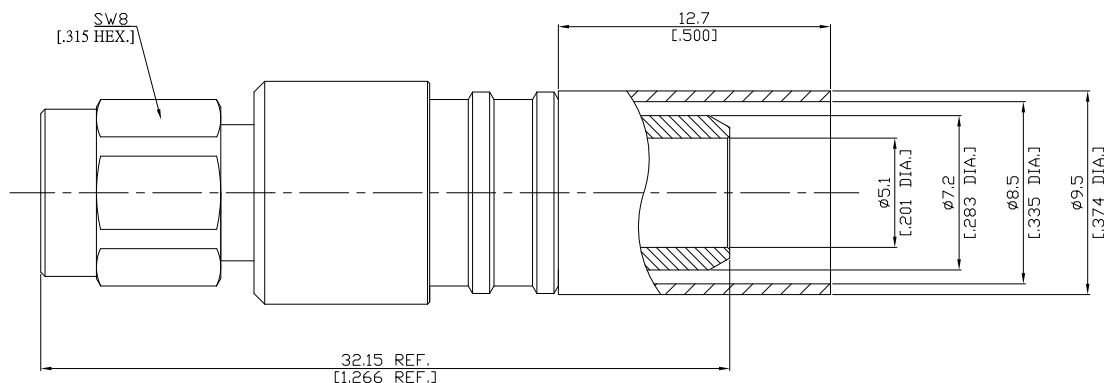


SMA Plug (Male) Straight Connector, Cable Entry: Crimp,
Contact Pin: Plug-in Attachment for LMR300, Rosnol RNL300 DC-6GHz VSWR1.30

SMA1C50-EZR300A / 144



All dimensions are in mm [inch]

Tolerances according to DIN ISO 2768-mH

Interface

According to

IEC 60169-15; CECC 22110; MIL-PRF-39012 SMA; MIL-STD-348/310

Electrical Data

Impedance	50 Ω
Frequency	DC to 6 GHz
VSWR (Return Loss)	≤ 1.30 (≥ 17.69 dB)
Insertion Loss	≤ 0.1x √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
Power handling (at 20 °C, sea level)	≤ 200 W @ 2 GHz

-VSWR in application depends decisive on cable assembly process-

Material And Plating

Piece Parts	Material	Plating
Centre contact	Beryllium Copper	Gold plating (Non-magnetic nickel-phosphorus underplating)
Body	Brass	Copper-Tin-Zinc Alloy
Insulator	PTFE	
Gasket	Silicone Rubber	
Coupling nut	Brass	Copper-Tin-Zinc Alloy
Ferrule	Brass	Copper-Tin-Zinc Alloy

SMA Plug (Male) Straight Connector, Cable Entry: Crimp,
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Mechanical Data

Coupling Mechanisms	Screw-Lock
Mating Cycles	min. 500
Coupling Nut Retention	≥ 270 N
Center contact captivation: axial	≥ 27 N
Coupling Test Torque	≤ 1.7 Nm
Recommended Torque	0.8 Nm to 1.1 Nm
Centre Contact	Plug-in
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 D
Shock	MIL-STD-202, Method 213, Condition I
Moisture Resistance	MIL-STD-202, Method 106
RoHS	compliant

Suitable Cables

LMR300, RNL300

Packing

Single or 100