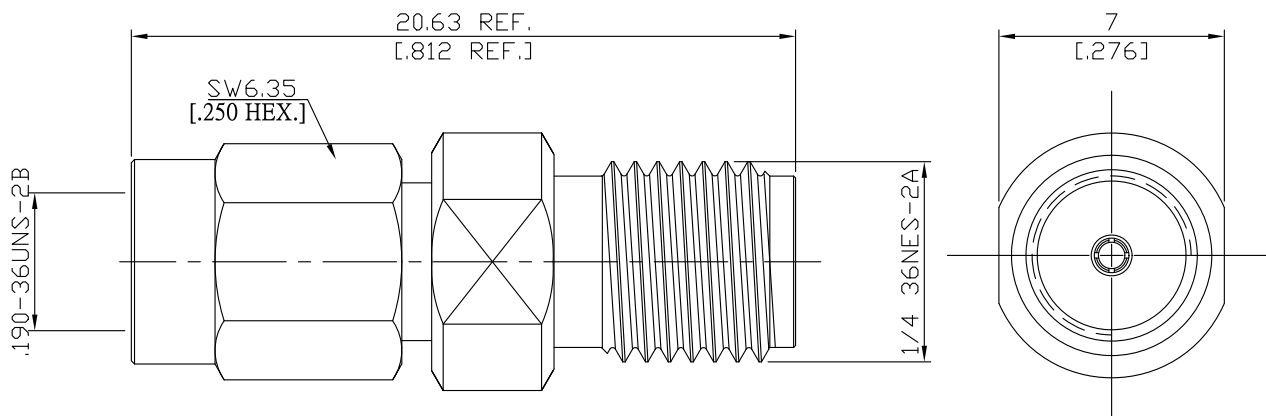




SSMA plug (male) / SMA jack (female)
Adapter DC-18GHz VSWR1.20

AD-SA1A25A / 9XX-9X



All dimensions are in mm [inch]

Tolerances according to DIN ISO 2768-mH

Interface

SSMA according to

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

SMA according to

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

Electrical Data

Impedance

50 Ω

Frequency

DC to 18 GHz

VSWR (Return Loss)

≤ 1.20 (≥ 20.83 dB)

Insertion Loss

≤ 0.05 × √F (GHz) dB

Insulation Resistance

≥ 5 GΩ

Center Contact Resistance

≤ 3.0 mΩ, SSMA Side

≤ 3.0 mΩ, SMA Side

Outer Contact Resistance

≤ 5.0 mΩ, SSMA Side

≤ 2.0 mΩ, SMA Side

Test Voltage (at sea level)

750 V rms, SSMA Side

1000 V rms, SMA Side

Working Voltage (at sea level)

250 V rms, SSMA Side

480 V rms, SMA Side

Material And Plating

Piece Parts (SSMA)	Material	Plating
Centre contact	Beryllium Copper	Gold plating (Non-magnetic nickel-phosphorus underplating)
Body	Stainless Steel	Passivated
Insulator	PTFE	
Gasket	Silicone Rubber	
Coupling nut	Stainless Steel	Passivated
Piece Parts (SMA)	Material	Plating
Centre contact	Beryllium Copper	Gold plating (Non-magnetic nickel-phosphorus underplating)
Body	Stainless Steel	Passivated
Insulator	PTFE	

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Mechanical Data

	SSMA Side	SMA Side
Coupling mechanisms	Screw-lock	Screw-lock
Mating Cycles	≥ 500	≥ 500
Center Contact Captivation: axial	≥ 22 N	≥ 22 N
Coupling Test Torque	1.1 Nm max.	1.7 Nm max.
Recommended Torque	0.8 to 0.9 Nm	0.80 Nm to 1.10 Nm

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

Packing

Single or 100