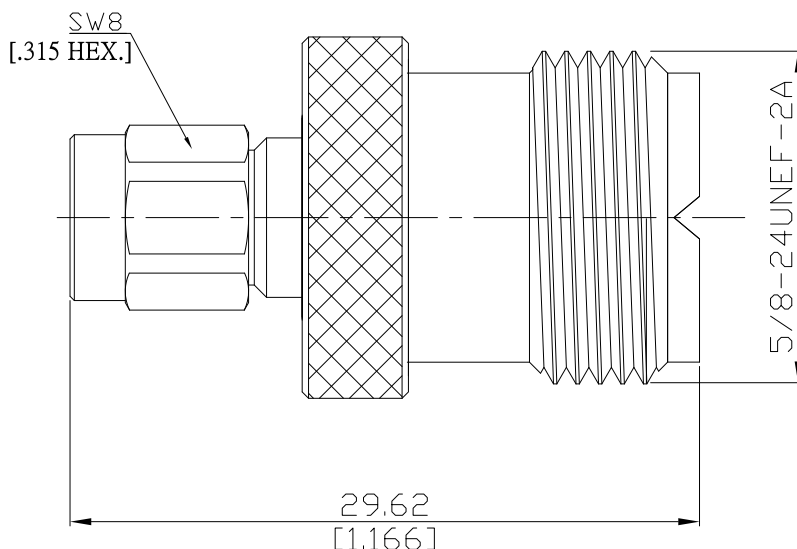


SMA plug (male) / UHF jack (female)
Adapter DC-300 MHz VSWR1.20

AD-A1U25A / H44-H4



All dimensions are in mm [inch]

Tolerances according to DIN ISO 2768-mH

Interface

SMA side according to

IEC 60169-15; MIL-STD-348B/310

UHF side according to

IEC 60169-12

Electrical Data

Impedance

50 Ω

Frequency

DC to 300 MHz

VSWR (Return Loss)

≤ 1.20 (≥ 20.83 dB)

Insertion Loss

$\leq 0.05 \times \sqrt{F}$ (GHz) dB

Insulation Resistance

≥ 5 G Ω

Center Contact Resistance

≤ 3 m Ω , SMA Side

≤ 5 m Ω , UHF Side

Outer Contact Resistance

≤ 2 m Ω , SMA Side

≤ 5 m Ω , UHF Side

Material And Plating

Piece Parts (SMA)	Material	Plating
Centre contact	Phosphor Bronze	Gold plating, 3 μ inch (Non-magnetic nickel-phosphorus underplating, 80 μ inch)
Body	Brass	Copper-Tin-Zinc Alloy
Insulator	PTFE	
Gasket	Silicone Rubber	
Coupling nut	Brass	Copper-Tin-Zinc Alloy
Piece Parts (UHF)	Material	Plating
Centre contact	Phosphor Bronze	Gold plating, 3 μ inch (Non-magnetic nickel-phosphorus underplating, 80 μ inch)
Body	Brass	Copper-Tin-Zinc Alloy
Insulator	PTFE	

SMA plug (male) / UHF jack (female)
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AD-A1U25A / H44-H4

Mechanical Data

	SMA Side	UHF Side
Coupling mechanisms	Screw-lock	Screw-lock
Mating Cycles	≥ 500	≥ 500
Coupling Nut Retention	≥ 270 N	N/A
Center Contact Captivation: axial	≥ 27 N	≥ 30 N
Weight	N/A	
Coupling Test Torque	1.7 Nm max.	N/A
Recommended Torque	0.8 Nm to 1.1 Nm	N/A

Environmental Data

Temperature Range	-65°C to +165°C
Thermal Shock	MIL-STD-202, Meth. 107, Cond. B
Corrosion	MIL-STD-202, Meth. 101, Cond. B
Vibration	MIL-STD-202, Meth. 204, Cond. B
Shock	MIL-STD-202, Meth. 213, Cond. G
Moisture Resistance	MIL-STD-202, Method 106
RoHS	compliant

Packing

Single or 100