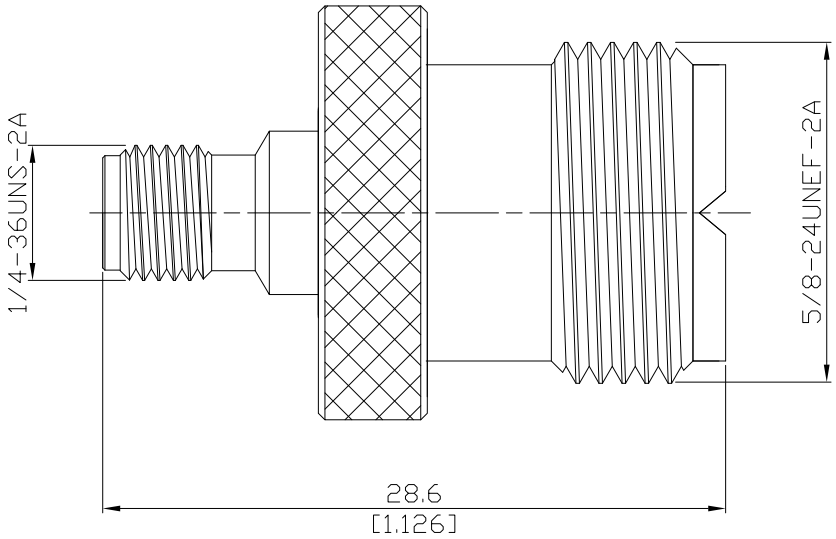
ROSNOL
RF/Microwave Interconnect

Technical Data Sheet

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

AD-A2U25A／H3-H3



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	≤ 0.05 x √F (GHz) dB	
Insulation Resistance	≥ 5 GΩ	
Center Contact Resistance	≤ 3 mΩ, SMA Side	≤ 5 mΩ, UHF Side
Outer Contact Resistance	≤ 2 mΩ, SMA Side	≤ 5 mΩ, UHF Side

Material And Plating

Piece Parts (SMA)	Material	Plating
Centre contact	Phosphor Bronze	Gold plating, 3 μinch (Non-magnetic nickel-phosphorus underplating, 80 μinch)
Body	Brass	Nickel
Insulator	PTFE	
Piece Parts (UHF)	**Material**	**Plating**
Centre contact	Phosphor Bronze	Gold plating, 3 μinch (Non-magnetic nickel-phosphorus underplating, 80 μinch)
Body	Brass	Nickel
Insulator	PTFE	

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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

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