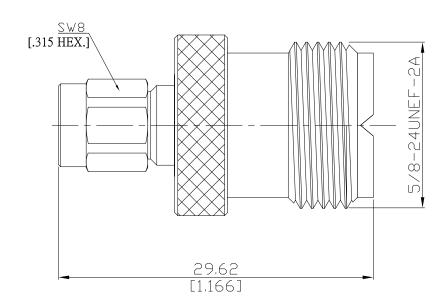


Technical Data Sheet

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

AD-A1U25A / H33-H3



All dimensions are in mm [inch]

Tolerances according to DIN ISO 2768-mH

Interface

SMA side according to UHF side according to

Electrical Data

Impedance Frequency

VSWR (Return Loss)
Insertion Loss

Insulation Resistance

Center Contact Resistance Outer Contact Resistance IEC 60169-15; MIL-STD-348B/310 IEC 60169-12

50 Ω

DC to 300 MHz

≤ 1.20 (≥ 20.83 dB)

≤ 0.05 x √ F (GHz) dB

 $\geq 5~\mathrm{G}\Omega$

 $\leq 3 \text{ m}\Omega$, SMA Side $\leq 2 \text{ m}\Omega$, SMA Side

≤ 5 mΩ, UHF Side

≤ 5 mΩ, UHF Side

Material And Platina

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	
Gasket	Silicone Rubber	
Coupling nut	Brass	Nickel
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	

The facts and figures herein are carefully compiled to the best of our knowledge, but they are intended for general informational purposes only.	Kev.:-	Rosnol RF/Microwave Technology Co., Ltd. www.rosnol.com; info@rosnol.com	Page
In the effort to improve our products, we reserve the right to make changes judged to be necessary. $$	Date:	Phone: +886-3-463-5095 / Fax: +886-3-463-5952 N-CAGE Code: SFKK0 / ISO9001 Certified	1/2



Technical Data Sheet

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

AD-A1U25A / H33-H3

Mechanical Data

Coupling mechanisms
Mating Cycles
Coupling Nut Retention
Center Contact Captivation: axial

Weight

Coupling Test Torque Recommended Torque

Environmental Data

Temperature Range
Thermal Shock
Corrosion
Vibration
Shock
Moisture Resistance

RoHS Packing SMA Side UHF Side Screw-lock Screw-lock ≥ 500 $\geq 270 \text{ N}$ N/A $\geq 27 \text{ N}$ N/A

1.7 Nm max. N/A 0.8 Nm to 1.1 Nm N/A

-65°C to +165°C

MIL-STD-202, Meth. 107, Cond. B MIL-STD-202, Meth. 101, Cond. B MIL-STD-202, Meth. 204, Cond. B MIL-STD-202, Meth. 213, Cond. G MIL-STD-202, Method 106

compliant

Single or 100