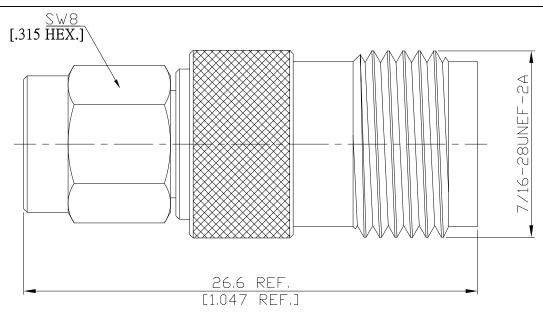


Technical Data Sheet

SMA plug (male) / TNC jack (female) Adaptors Straight DC-11GHz VSWR1.20

AD-A1T25B / H33-H3



All dimensions are in mm [inch]

Tolerances according to DIN ISO 2768-mH

Interface

SMA according to TNC according to

Electrical Data

Impedance Frequency

VSWR (Return Loss)

Insertion Loss

Insulation Resistance

Center Contact Resistance

Outer Contact Resistance

Test Voltage

Working Voltage (at sea level)

Power Handling (at 20 °C, sea level, VSWR 1.0)

IEC 60169-15; MIL-STD-348B/310 IEC 60169-17; MIL-STD-348B/313

50 Ω

DC to 11 GHz

≤ 1.20 (≥ 20.83 dB)

≤ 0.03 x √F (GHz) dB

≥ 5 GΩ

 \leq 3 m Ω , SMA side

 \leq 2 m Ω , SMA side

1000 V rms

480 V rms ≤ 80 W @ 2 GHz \leq 1.5 m Ω . TNC side \leq 1 m Ω , TNC side

Material And Plating

Piece Parts (SMA)	Material	Plating
Centre contact	Phosphor Broze	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 (TNC)	Material	Plating
Centre contact	Phosphor Broze	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
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Technical Data Sheet

SMA plug (male) / TNC jack (female) Adaptors Straight DC-11GHz VSWR1.20

AD-A1T25B / H33-H3

Mechanical Data

Coupling mechanisms Mating Cycles Coupling nut retention Center Contact Captivation: axial Coupling Test Torque Recommended Torque Environmental Data

Temperature Range Thermal shock Corrosion Vibration Shock Moisture Resistance

RoHS

Packing

SMA side TNC side Screw-lock Screw-lock min. 500 min. 500 ≥ 27 N N/A ≥ 27 N ≥3 Ncm 1.7 Nm max. max. 1.7 Nm 0.9 Nm 0.46 Nm to 0.69 Nm

-65°C to +155°C

MIL-STD-202, Meth. 107, Cond. B MIL-STD-202, Meth. 101, Cond. B MIL-STD-202, Meth. 204, Cond.D MIL-STD-202, Meth. 213, Cond. I MIL-STD-202, Meth. 106

compliant

Single or 100