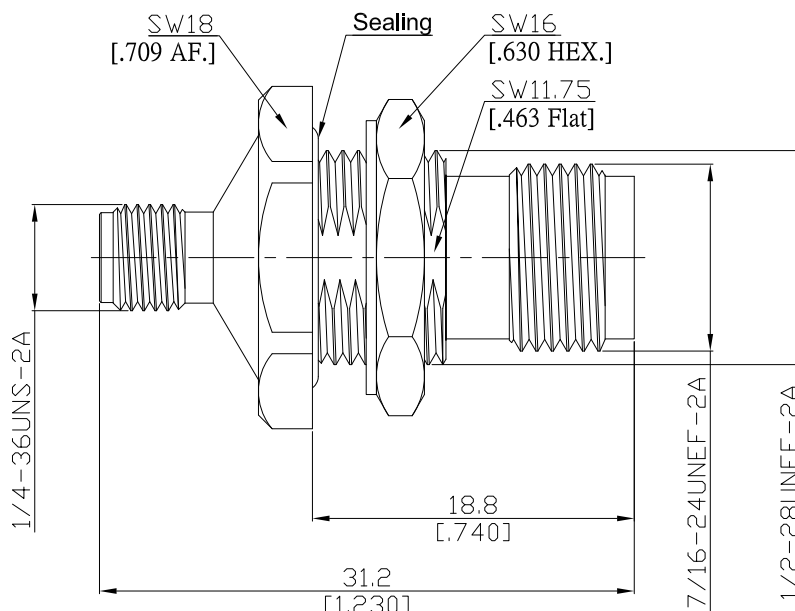


SMA jack (female) / Precision TNC jack (female) Bulkhead Adaptor
DC-18GHz VSWR 1.25

AD-A2PCT25A-BH / 9X-9X



All dimensions are in mm [inch]

Tolerances according to DIN ISO 2768-mH

Interface

SMA according to

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

TNC according to

IEC 60169-26; MIL-STD-348B/313

Electrical Data

Impedance

50 Ω

Frequency

DC to 18 GHz

VSWR (Return Loss)

≤ 1.25 (≥ 19 dB)

Insertion Loss

$\leq 0.1 \times \sqrt{f}$ (GHz) dB

Insulation resistance

≥ 5 G Ω

Center contact resistance

≤ 3.0 m Ω , SMA side

≤ 1.5 m Ω , Precision TNC side

Outer contact resistance

≤ 2.0 m Ω , SMA side

≤ 1.0 m Ω , Precision TNC side

Test voltage

1000 V rms

Working voltage

480 V rms

RF-leakage

≥ 90 dB up to 1 GHz

Material And Plating

Piece Parts (SMA)	Material	Plating
Centre contact	Beryllium Copper	Gold plating, 3 μ inch (Non-magnetic nickel-phosphorus underplating, 80 μ inch)
Body	Stainless Steel	Passivated
Insulator	PTFE	
Piece Parts (Precision TNC)	Material	Plating
Centre contact	Beryllium Copper	Gold plating, 3 μ inch (Non-magnetic nickel-phosphorus underplating, 80 μ inch)
Body	Stainless Steel	Passivated
Insulator	PTFE	
Gasket	Silicone Rubber	
Fastening nut	Stainless Steel	Passivated
Washer	Stainless Steel	Passivated

The facts and figures herein are carefully compiled to the best of our knowledge, but they are intended for general informational purposes only. In the effort to improve our products, we reserve the right to make changes judged to be necessary.

Rev.:
Date: JUL/16/2021

Rosnol RF/Microwave Technology Co., Ltd.
www.rosnol.com; info@rosnol.com
Phone: +886-3-463-5095 / Fax: +886-3-463-5952
N-CAGE Code: SFKK0 / ISO9001 Certified

Page

1/2

SMA jack (female) / Precision TNC jack (female) Bulkhead Adaptor
DC-18GHz VSWR 1.25

AD-A2PCT25A-BH / 9X-9X

Mechanical Data

	SMA side	Precision TNC side
Coupling mechanisms	Screw-lock	Screw-lock
Mating cycles	≥ 500	≥ 500
Center contact captivation	≥ 27 N	≥ 27 N
Coupling test torque	1.70 Nm	1.70 Nm
Recommended torque	0.80 Nm to 1.10 Nm	0.46 Nm to 0.69 Nm

Environmental Data

Temperature Range	-40°C to +85°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