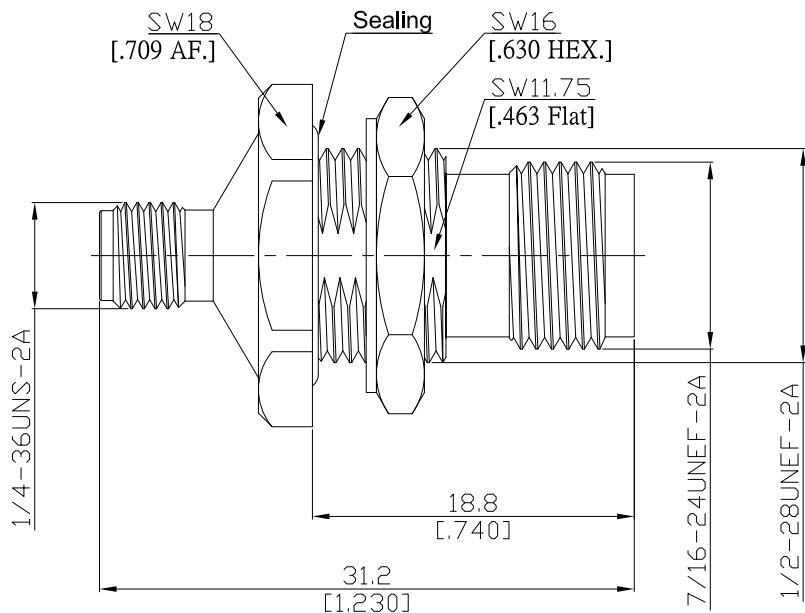


SMA jack (female) / Precision TNC jack (female) Bulkhead Adaptor  
 DC-18GHz VSWR 1.25

## AD-A2PCT25A-BH / 9X-9X



All dimensions are in mm [inch]

Tolerances according to DIN ISO 2768-mH

## Interface

 SMA according to  
 TNC according to

 IEC 60169-15; MIL-STD-348B/310  
 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	≤ 0.1 x √F (GHz) dB	
Insulation resistance	≥ 5 GΩ	
Center contact resistance	≤ 3.0 mΩ, SMA side	≤ 1.5 mΩ, Precision TNC side
Outer contact resistance	≤ 2.0 mΩ, SMA side	≤ 1.0 mΩ, 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 µinch (Non-magnetic nickel-phosphorus underplating, 80 µinch)
Body	Stainless Steel	Passivated
Insulator	PTFE	
Piece Parts (Precision TNC)	Material	Plating
Centre contact	Beryllium Copper	Gold plating, 3 µinch (Non-magnetic nickel-phosphorus underplating, 80 µinch)
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

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DC-18GHz VSWR 1.25

## AD-A2PCT25A-BH / 9X-9X

## Mechanical Data

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