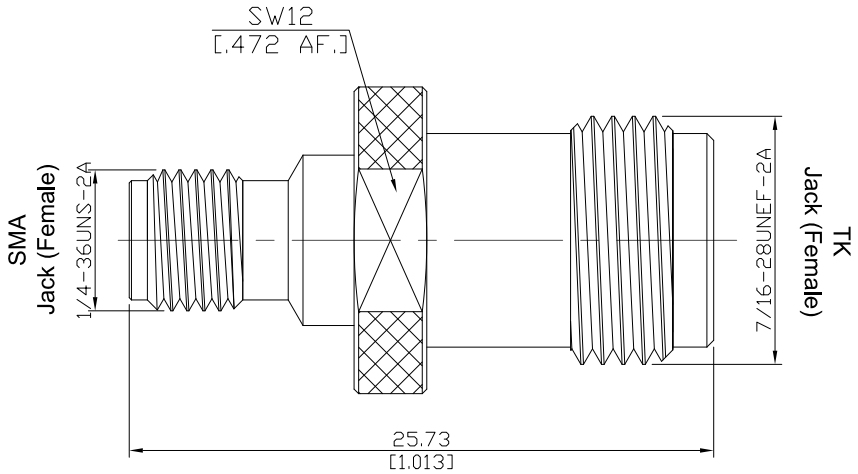
ROSNOL® RF/Microwave Interconnect

Technical Data Sheet

SMA Jack (Female) to TK Jack (Female) Straight Adapter, DC – 18 GHz, VSWR 1.30

AD-A2TK25A / 9X-9X



All dimensions are in mm [inch]
Tolerances according to DIN ISO 2768-mH

Interface

SMA side According to	IEC 60169-15; CECC 22110; MIL-PRF-39012; MIL-STD-348B/310; EN 122110
TK side According to	MIL-STD-348B/329

Electrical Data

Impedance	50 Ω
Frequency	DC to 18 GHz
VSWR (Return Loss)	≤ 1.3 (≥ 17.69 dB)
Insertion Loss	≤ 0.05 x √F (GHz) dB
Insulation resistance	≥ 5 GΩ

Material And Plating

Piece Parts (SMA)	Material	Plating
Centre contact	Beryllium Copper	Gold plating (Non-magnetic nickel-phosphorus underplating)
Body	Stainless Steel	Passivated
Insulator	PTFE	
Piece Parts (TK)	**Material**	**Plating**
Centre contact	Beryllium Copper	Gold plating (Non-magnetic nickel-phosphorus underplating)
Body	Stainless Steel	Passivated
Insulator	PTFE	

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Mechanical Data

	SMA Side	TK Side
Coupling mechanisms	Screw-On	Screw-On
Mating Cycles	min. 500	min. 500
Center contact captivation: axial	≥ 27 N	≥ 27 N
Coupling test torque	max. 1.7 Nm	N/A
Recommended torque	0.8 Nm to 1.1 Nm	N/A

Environmental Data

Temperature Range	-65°C to +165°C
RoHS	compliant

Packing

Single or 100

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