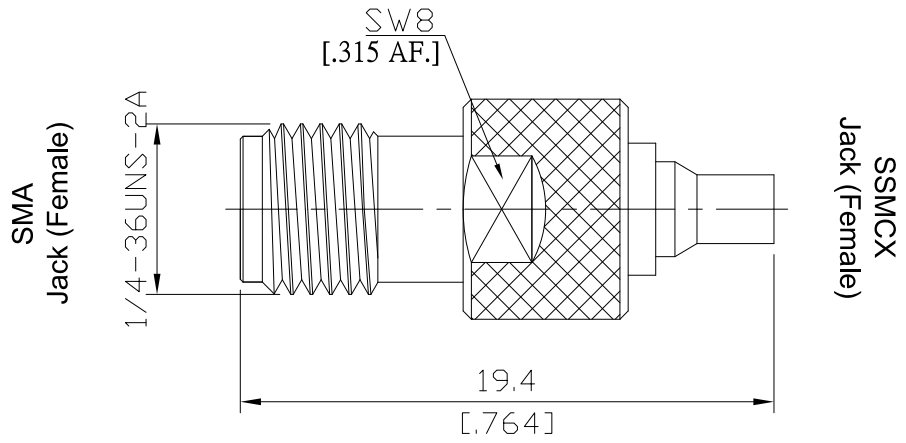
ROSNOL RF/Microwave Interconnect

Technical Data Sheet

SMA Jack (female) / SSMCX Jack (female)
Straight adaptor DC- 6 GHz VSWR ≤ 1.60

AD-A2SX25A / H3-H3



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

Interface

SMA according to	IEC 60169-15;CECC 22110; MIL-PRF-39012 SMA; MIL-STD-348/310
SSMCX according to	N/A

Electrical Data

Impedance	50 Ω	
Frequency	DC to 6 GHz	
VSWR (Return Loss)	≤ 1.60 (≥ 12.7 dB)	
Insertion loss	≤ 0.1 x √F (GHz) dB	
Insulation resistance	≥ 1 GΩ	
Center contact resistance	≤ 3 mΩ, SMA side	≤ 10.0 mΩ, SSMCX side;
Outer contact resistance	≤ 2 mΩ, SMA side	≤ 4 mΩ, SSMCX side;
Test voltage	500 V rms	
Working voltage	250 V rms	

Material And Plating

Piece Parts (SMA)	Material	Plating
Centre contact	Phosphor Bronze	Gold plating (Non-magnetic nickel-phosphorus underplating)
Body	Brass	Nickel
Insulator	PTFE	
Piece Parts (SSMCX)	**Material**	**Plating**
Centre contact	Phosphor Bronze	Gold plating (Non-magnetic nickel-phosphorus underplating)
Body	Brass	Nickel
Insulator	PTFE	

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Mechanical Data

	SMA side	SSMCX side
Coupling mechanisms	Screw-lock	Snap-lock
Mating cycles	≥ 500	≥ 500
Center contact captivation: axial	≥ 27 N	≥ 27 N
Engagement force	N/A	≤ 3 lbs; 13.34 N
Disengagement force	N/A	≥ 1 lbs; 4.45 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	-55°C to +155°C
RoHS	compliant

Packing

Single or 100

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