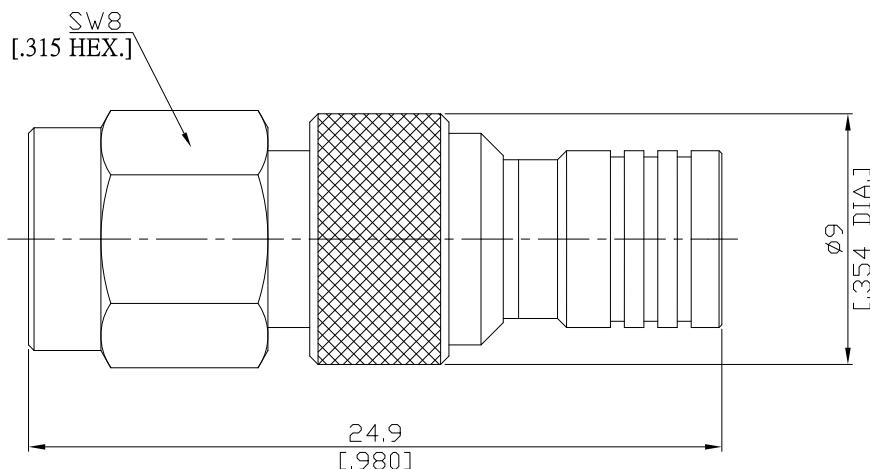


## SMA plug (male) / SMB plug (male) Adapter DC-4GHz VSWR1.35

### AD-A1S15A / 911-911



All dimensions are in mm [inch]

Tolerances according to DIN ISO 2768-mH

#### Interface

SMA according to  
SMB according to

IEC 60169-15; MIL-STD-348B/310  
IEC 60169-10; MIL-STD-348B/311

#### Electrical Data

Impedance	50 Ω	
Frequency	DC to 4 GHz	
VSWR (Return Loss)	≤ 1.35 (≥ 16.54 dB)	
Insertion Loss	≤ 0.04 x √F (GHz) dB	
Insulation Resistance	≥ 5 GΩ	
Center contact resistance	≤ 5 mΩ, SMB side	≤ 3 mΩ, SMA side
Outer contact resistance	≤ 2.5 mΩ, SMB side	≤ 2 mΩ, SMA side
Test voltage	750 V rms, 50 Hz, at sea level	
Working voltage	≤ 250 V rms, 50 Hz, at sea level	
Contact current	1.5 A DC typ	
RF-leakage	≥ 55 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	Brass	Gold plating, 3 µinch (Non-magnetic nickel-phosphorus underplating, 80 µinch)
Insulator	PTFE	
Gasket	Silicone Rubber	
Coupling nut	Brass	Gold plating, 3 µinch (Non-magnetic nickel-phosphorus underplating, 80 µinch)
Piece Parts (SMB)	Material	Plating
Centre contact	Beryllium Copper	Gold plating, 3 µinch (Non-magnetic nickel-phosphorus underplating, 80 µinch)
Body	Brass	Gold plating, 3 µinch (Non-magnetic nickel-phosphorus underplating, 80 µinch)
Insulator	PTFE	
Coupling nut	Brass	Gold plating, 3 µinch (Non-magnetic nickel-phosphorus underplating, 80 µinch)

SMA plug (male) / SMB plug (male) Adapter  
DC-4GHz VSWR1.35

## AD-A1S15A / 911-911

## Mechanical Data

Coupling mechanisms	SMA Side	SMB side
Mating Cycles	Screw-lock	Screw-lock
Recommended torque	≥ 500	min. 500
Center contact captivation: axial	max. 1.7 Nm	N/A
Engagement force	0.8 Nm to 1.1 Nm	N/A
Disengagement force	≥ 10 N	≥ 10 N
	N/A	≤ 63 N
	N/A	8 N min. to 63 N max.

## Environmental Data

Temperature Range	-65°C to +165°C
Thermal shock	MIL-STD-202, Meth. 107, Cond. B
Vibration	MIL-STD-202, Meth. 204, Cond. B
Corrosion	MIL-STD-202, Meth. 101, Cond. B
Moisture Resistance	MIL-STD-202, Meth. 106
RoHS	compliant

## Packing

Standard	Single
Weight	N/A