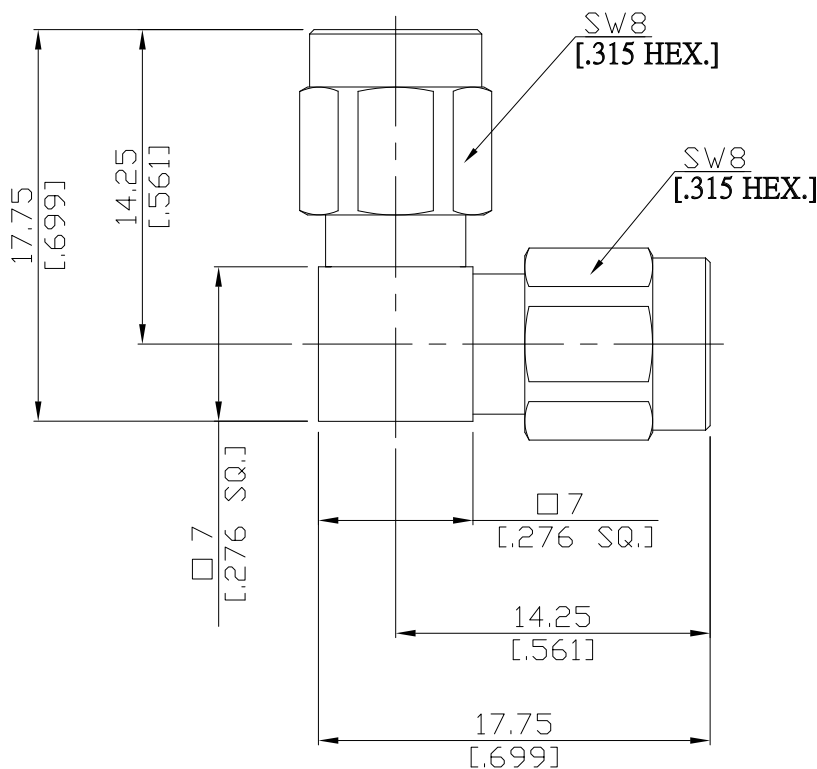


SMA plug (male) / SMA plug (male) L-adaptor DC-18 GHz, VSWR ≤ 1.15

ADL-A1A15A / HQQ-HQQ



All dimensions are in mm [inch]

Tolerances according to DIN ISO 2768-mH

Interface

according to

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

Electrical Data

Impedance	50 Ω
Frequency	DC to 18 GHz
VSWR (Return Loss)	≤ 1.15 (> 23.13 dB)
Insertion Loss	≤ 0.03 × √F (GHz) dB
Insulation resistance	≥ 5 GΩ
Center contact resistance	≤ 3 mΩ
Outer contact resistance	≤ 2 mΩ
Test voltage	1000 V rms
Working voltage	480 V rms
Power handling (at 20 °C, sea level, VSWR 1.0)	≤ 200 W @ 2 GHz
RF-leakage	≥ 100 dB up to 1 GHz

SMA plug (male) / SMA plug (male) L-adaptor DC-18 GHz, VSWR $\leq$ 1.15

ADL-A1A15A / HQQ-HQQ

Material And Plating

Piece Parts (SMA)	Material	Plating
Centre contact	Phosphor Bronze	Gold plating, 3 μ inch (Non-magnetic nickel-phosphorus underplating, 80 μ inch)
Body	Stainless Steel	Gold plating, 3 μ inch (Non-magnetic nickel-phosphorus underplating, 80 μ inch)
Insulator	PTFE	
Gasket	Silicone Rubber	
Coupling nut	Stainless Steel	Gold plating, 3 μ inch (Non-magnetic nickel-phosphorus underplating, 80 μ inch)
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Gasket	Silicone Rubber	
Coupling nut	Stainless Steel	Gold plating, 3 μ inch (Non-magnetic nickel-phosphorus underplating, 80 μ inch)

Mechanical Data

Coupling mechanisms	Screw-lock
Mating cycles	min. 500
Coupling nut retention	$\geq$ 270 N
Center contact captivation: axial	$\geq$ 27 N
radial	$\geq$ 3 Ncm
Coupling test torque	$\leq$ 1.7 Nm
Recommended torque	0.8 Nm to 1.1 Nm

Environmental Data

Temperature Range	-65°C to +155°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