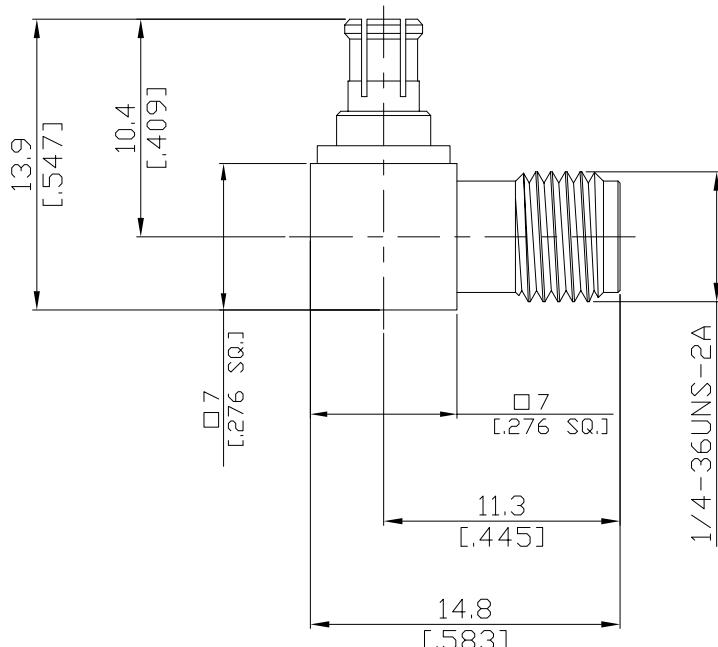


MCX plug (male) / SMA jack (female)
L-adaptor DC-6 GHz VSWR ≤ 1.25

ADL-M1A25A / H1-H1



All dimensions are in mm [inch]

Tolerances according to DIN ISO 2768-mH

Interface

MCX according to
SMA according to

IEC 61169-36
IEC 60169-15; MIL-STD-348B-310; MIL-C-39012

Electrical Data

Impedance	50 Ω
Frequency	DC to 6 GHz
VSWR (Return Loss)	≤ 1.25 (≥ 19.08 dB)
Insertion loss	≤ 0.05 x √F (GHz) dB
Insulation resistance	≥ 1 GΩ
Center contact resistance	≤ 5.0 mΩ, MCX side;
Outer contact resistance	≤ 2.5 mΩ, MCX side;
Test voltage	750 V rms
Working voltage	335 V rms
Contact Current	1.5A DC max.

Material And Plating

Piece Parts (MCX)	Material	Plating
Centre contact	Phosphor Bronze	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	
Piece Parts (SMA)	Material	Plating
Centre contact	Phosphor Bronze	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	

MCX plug (male) / SMA jack (female)
L-adaptor DC-6 GHz VSWR ≤ 1.25

ADL-M1A25A / H1-H1

Mechanical Data

	MCX side	SMA side
Coupling mechanisms	Snap-lock	Screw-lock
Mating cycles	≥ 500	min. 500
Center contact captivation: axial	≥ 27 N	≥ 27 N
Engagement force	≥ 25 N	N/A
Disengagement force	8 N min. to 20 N max.	N/A
Coupling test torque	N/A	max. 1.7 Nm
Recommended torque	N/A	0.8 Nm to 1.1 Nm

Environmental Data

Temperature Range	-65°C to +165°C
Thermal shock	CECC 22 220, Chapter 4.6.7
Vibration	CECC 22 220, Chapter 4.6.3
Corrosion	CECC 22 220, Chapter 4.6.10
Moisture resistance	CECC 22 220, Chapter 4.6.6
RoHS	compliant

Packing

Single or 100