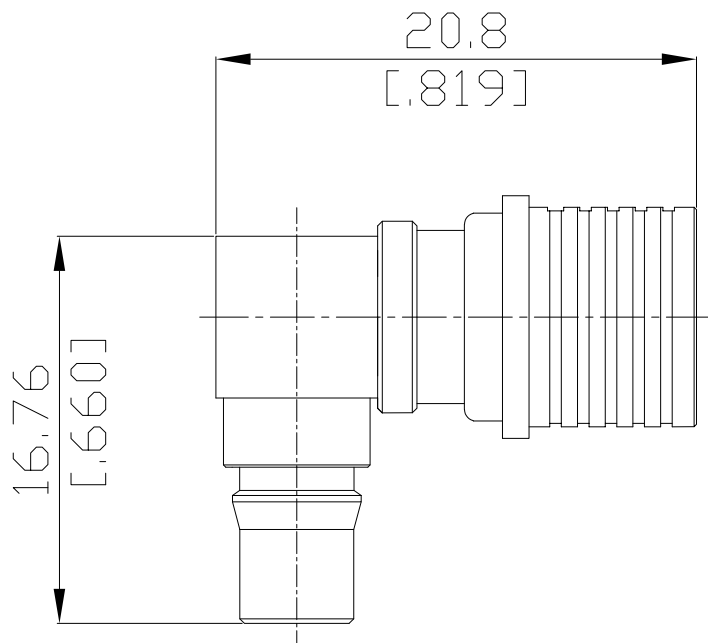


QMA plug (male) / QMA jack (female)
L-adaptor DC-18 GHz, VSWR ≤ 1.30

ADL-QA1QA25A / 94-94



All dimensions are in mm [inch]

Tolerances according to DIN ISO 2768-mH

Interface

according to

IEC 61169-50

Electrical Data

Impedance	50 Ω
Frequency	DC to 18 GHz
VSWR (Return Loss)	≤ 1.30 (≥ 17.69 dB)
Insertion Loss	≤ 0.05 x √F (GHz) dB
Insulation resistance	≥ 5 GΩ
Center contact resistance	≤ 3 mΩ
Outer contact resistance	≤ 2.5 mΩ
Test voltage	1000 V rms
Working voltage	480 V rms
Power handling	70 W @ 2.2 GHz (recommended)
RF-leakage	≥ 70 dB @ 4 GHz to 6 GHz

Material And Plating

Piece Parts (QMA)	Material	Plating
Centre contact	Beryllium Copper	Gold plating, 3 pinch (Non-magnetic nickel-phosphorus underplating, 80 pinch)
Body	Brass	Copper-Tin-Zinc Alloy
Insulator	PTFE	
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Mechanical Data

Coupling mechanisms	Quick-lock
Mating cycles	≥ 100
Center contact captivation: axial	≥ 20 N
Engagement force	typ. 25 N
Disengagement force	typ. 20 N
Retention force for interface	60 N min.

Environmental Data

Temperature Range	-40°C to +85°C
Thermal shock	IEC 60169-1 16.4 (-40 / +85°C)
Corrosion	IEC 60169-1 16.7 (48 hrs)
Vibration	IEC 60068-2-64 random
Damp heat, steady state	IEC 60169-1 16.3 (96 hrs)
RoHS	compliant

Packing

Single or 100