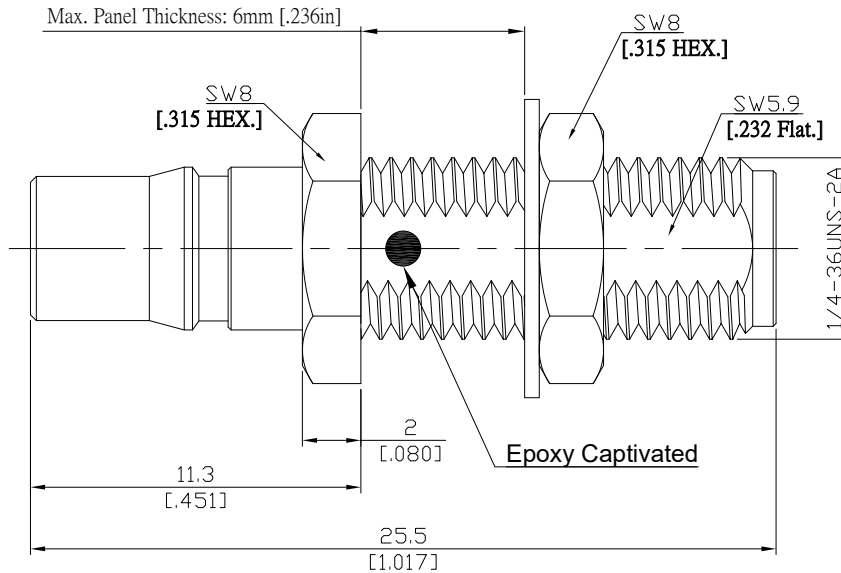


SMA Bulkhead Jack (Female) to QMA Jack (Female) Adapter
Epoxy Captivated, DC-18GHz, VSWR 1.20

AD-A2QA25A-BH-EC/94-94



All dimensions are in mm [inch]

Tolerances according to DIN ISO 2768-mH

Interface

According to

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

QMA Side
IEC 61169-50

Electrical Data

Impedance	50 Ω	
Frequency	DC to 18 GHz	
VSWR (Return Loss)	≤ 1.20 (≥ 20.83 dB)	
Insertion Loss	≤ 0.05 x √F (GHz) dB	
Insulation Resistance	≥ 5 GΩ	
Center Contact Resistance	≤ 3 mΩ, SMA Side	≤ 3 mΩ, QMA Side
Outer Contact Resistance	≤ 2 mΩ, SMA Side	≤ 2.5 mΩ, QMA Side
Test Voltage (at sea level)	1000 V rms	
Working Voltage (at sea level)	480 V rms	

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	Copper-Tin-Zinc Alloy
Insulator	PTFE	
Fastening nut	Brass	Nickel
Washer	Brass	Nickel
Piece Parts (QMA)	Material	Plating
Centre contact	Beryllium Copper	Gold plating, 3 μinch (Non-magnetic nickel-phosphorus underplating, 80 μinch)
Body	Brass	Copper-Tin-Zinc Alloy
Insulator	PTFE	

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Mechanical Data

	SMA Side	QMA Side
Coupling mechanisms	Screw-lock	Quick-lock
Mating Cycles	≥ 500	≥ 100
Coupling Nut Retention	N/A	N/A
Center Contact Captivation: axial	≥ 20 N	≥ 20 N
Weight	N/A	
Coupling Test Torque	0.5 Nm	N/A
Recommended Torque	0.56 Nm	N/A

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 hours)
Vibration	IEC 60068-2-64 (random)
Damp heat (steady state)	IEC 60169-1 16.3 (96 hours)
RoHS	compliant

Packing

Single or 100

Related Document

Mounting Dimension MD19