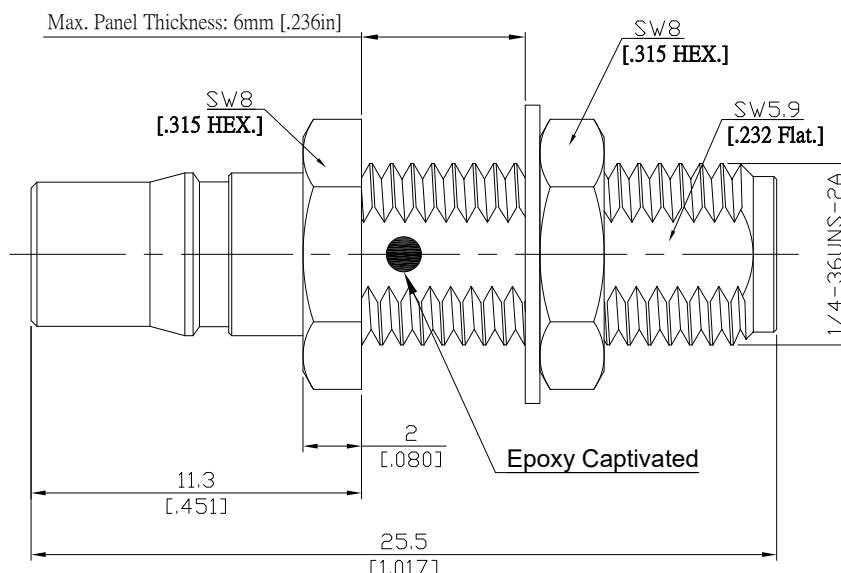


SMA Jack (Female) / QMA Jack (Female) Bulkhead Adapter
Epoxy Captivated, DC-18GHz, VSWR 1.20

AD-A2QA25A-BH-EC / 94-94



All dimensions are in mm [inch]

Tolerances according to DIN ISO 2768-mH

Interface

SMA according to

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

QMA according to

IEC 61169-50

Electrical Data

Impedance

50 Ω

Frequency

DC to 18 GHz

VSWR (Return Loss)

≤ 1.20 (≥ 20.83 dB)

Insertion Loss

$\leq 0.05 \times \sqrt{f}$ (GHz) dB

Insulation Resistance

≥ 5 G Ω

Center Contact Resistance

≤ 3 m Ω , SMA Side

≤ 3 m Ω , QMA Side

Outer Contact Resistance

≤ 2 m Ω , SMA Side

≤ 2.5 m Ω , 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 μ inch (Non-magnetic nickel-phosphorus underplating, 80 μ inch)
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 μ inch (Non-magnetic nickel-phosphorus underplating, 80 μ inch)
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