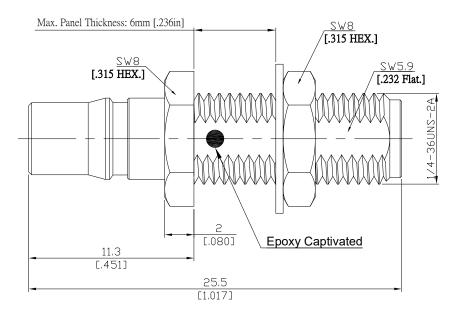


## Technical Data Sheet

# 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

QMA Side SMA Side IEC 61169-50 IEC 60169-15; MIL-STD-348B/310

### Electrical Data

Impedance Frequency VSWR (Return Loss) Insertion Loss Insulation Resistance

Center Contact Resistance Outer Contact Resistance Test Voltage (at sea level) Working Voltage (at sea level) 50 Ω

DC to 18 GHz ≤ 1.20 (≥ 20.83 dB) ≤ 0.05 x √F (GHz) dB

 $\geq 5 \text{ G}\Omega$ 

480 V rms

 $\leq$  3 m $\Omega$ , SMA Side  $\leq$  3 m $\Omega$ , QMA Side ≤ 2 mΩ, SMA Side  $\leq 2.5~\text{m}\Omega$ , QMA Side 1000 V rms

Material And Plating

Piece Parts (SMA)	Material	Plating	
Centre contact	Beryllium Copper	Gold plating, 3 µinch	
Cernie Conidci		(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	
Cenire conidci	beryllium Copper	(Non-magnetic nickel-phosphorus underplating, 80 µinch)	
Body	Brass	Copper-Tin-Zinc Alloy	
Insulator	PTFE		

The facts and figures herein are carefully compiled to the best of our
knowledge, but they are intended for general informational purposes only.
In the effort to improve our products, we reserve the right to make changes
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## Technical Data Sheet

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

# AD-A2QA25A-BH-EC/94-94

#### Mechanical Data

QMA Side SMA Side Coupling mechanisms Quick-lock Screw-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

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 N-CAGE Code: SFKKO / ISO9001 certified