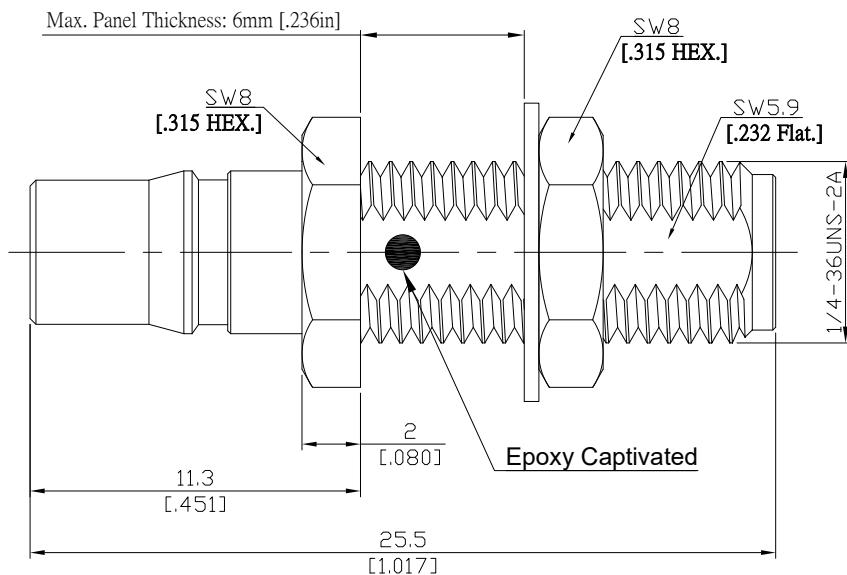


## SMA Jack (Female) / QMA Jack (Female) Bulkhead Adapter Epoxy Captivated, DC-18GHz, VSWR 1.20

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



All dimensions are in mm [inch]

Tolerances according to DIN ISO 2768-mH

#### Interface

SMA according to  
QMA according to

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

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 judged to be necessary.

Rev.:-  
Date:  
JUL/16/2021

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

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

## 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	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