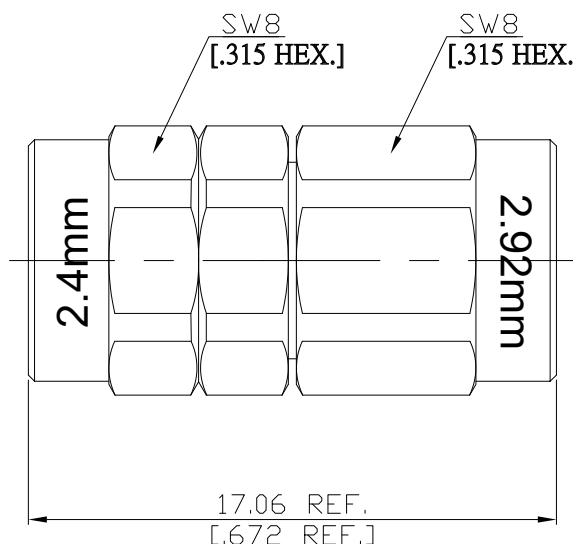




2.4mm Plug (Male) to 2.92mm Plug (Male) Adapter
DC-40GHz VSWR1.15

AD-Q1K15A / 9XX-9XX



All dimensions are in mm [inch]

Tolerances according to DIN ISO 2768-mH

Interface

Mechanically compatible with
According to

2.4mm Side
1.85mm
IEC 61169-40, IEEE Std 287

2.92mm Side
3.5mm and SMA
IEC 61169-35, IEEE Std 287

Electrical Data

Impedance 50 Ω
Frequency DC to 40 GHz
VSWR (Return Loss) ≤ 1.15 (≥ 23.13 dB)
Insertion Loss $\leq 0.05 \times \sqrt{F}$ (GHz) dB
Insulation Resistance ≥ 5 G Ω
Test Voltage (at sea level) 500 V rms
Working Voltage (at sea level) 150 V rms
RF Leakage ≥ 100 dB up to 1 GHz
Power Handling 18W

Material And Plating

Piece Parts (2.4mm)	Material	Plating
Centre Contact	Beryllium Copper	Gold plating (Non-magnetic nickel-phosphorus underplating)
Body	Stainless Steel	Passivated
Insulator	PEI	
Gasket	Silicone Rubber	
Coupling Nut	Stainless Steel	Passivated
Piece Parts (2.92mm)	Material	Plating
Centre Contact	Beryllium Copper	Gold plating (Non-magnetic nickel-phosphorus underplating)
Body	Stainless Steel	Passivated
Insulator	PEI	
Gasket	Silicone Rubber	
Coupling Nut	Stainless Steel	Passivated

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: MAY/26/2025

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2.4mm Plug (Male) to 2.92mm Plug (Male) Adapter
DC-40GHz VSWR1.15

AD-Q1K15A / 9XX-9XX

Mechanical Data

	2.4mm Side	2.92mm Side
Coupling mechanisms	Screw-lock	Screw-lock
Mating Cycles	≥ 500	≥ 500
Center Contact Captivation	≥ 20 N	≥ 20 N
Coupling Test Torque	1.65 Nm max.	1.70 Nm max.
Recommended Torque	0.80 Nm to 1.10 Nm	0.80 Nm to 1.10 Nm

Environmental Data

Temperature Range	-40°C to +85°C
Thermal shock	MIL-STD-202, Method 107, Condition B
Corrosion	MIL-STD-202, Method 101, Condition B
Vibration	MIL-STD-202, Method 204, Condition D
Shock	MIL-STD-202, Method 213, Condition I
Moisture Resistance	MIL-STD-202, Method 106
RoHS	compliant

Packing

Standard	Single or 100
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