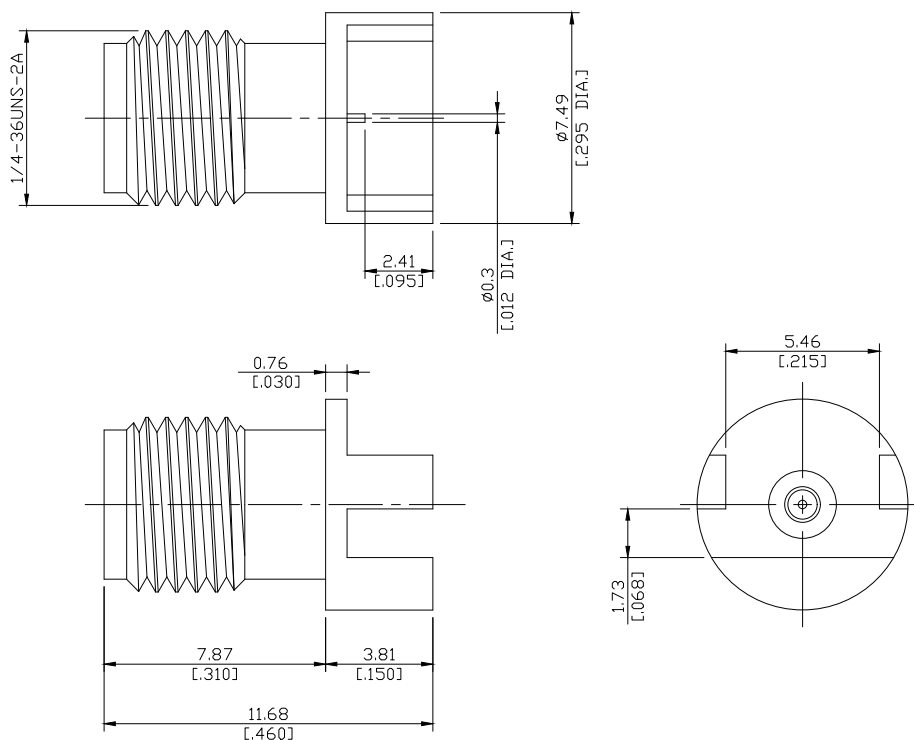


2.92mm Jack (female) Connector PCB End Launch Straight DC-40GHz

K2HA50-0173A / 9Q



All dimensions are in mm [inch]

Tolerances according to DIN ISO 2768-mH

Interface

According to IEC 61169-35, IEEE Std 287
Mechanically compatible with 3.5mm and SMA

Electrical Data

Impedance 50 Ω
Frequency DC to 40 GHz
VSWR (Return Loss) ≤ 1.5 (≥ 13.98 dB)
Insertion Loss ≤ 0.05 x √F (GHz) dB
Insulation Resistance ≥ 5 GΩ
Center contact resistance ≤ 3.0 mΩ
Outer contact resistance ≤ 2.0 mΩ
Test Voltage 750 V rms
Working voltage 250 V rms
RF-leakage ≥ 100 dB up to 1 GHz

-VSWR in application depends decisive on PCB layout or cavity design-

Material And Plating

Piece Parts	Material	Plating
Centre contact	Beryllium Copper	Gold plating (Non-magnetic nickel-phosphorus underplating)
Body	Stainless Steel	Gold plating (Non-magnetic nickel-phosphorus underplating)
Insulator	PEI	

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Mechanical Data

Coupling mechanisms	Screw-lock
Mating Cycles	≥ 500
Center Contact Captivation: axial	≥ 20 N
Coupling Test Torque	1.70 Nm
Recommended Torque	0.80 Nm to 1.10 Nm

Environmental Data

Temperature Range	-55°C to +165°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
Max. soldering temperature	IEC 61760-1, +260°C for 10 sec.
RoHS	compliant

Packing

Single or 100