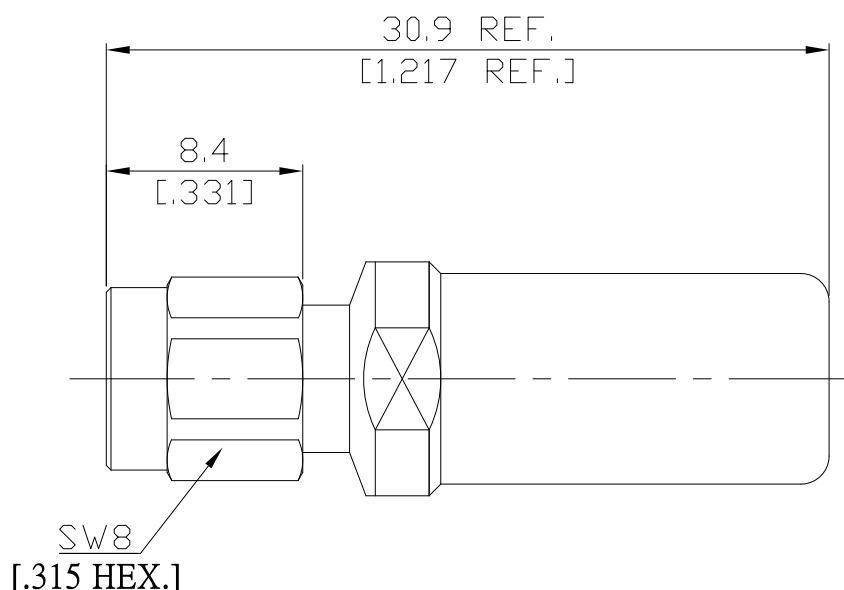




2.92mm Plug (Male) Open

K1AO50-1270A / 9XX



All dimensions are in mm [inch]

Tolerances according to DIN ISO 2768-mH

Interface

According to
Mechanically compatible with

IEC 61169-35; IEEE Std 287; MIL-STD-348A/323
3.5mm and SMA

Electrical Data

Impedance	50 Ω		
Frequency	DC to 4 GHz	4 GHz to 18 GHz	18 GHz to 40 GHz
Return Loss)	≤ 0.1 dB	≤ 0.15 dB	≤ 0.2 dB
Error from nominal phase ¹	$\leq 0.1^\circ$	$\leq 2.0^\circ$	$\leq 3.0^\circ$

¹The nominal phase is defined by the Offset Delay, the Offset Loss and the Fringing Capacitances.

Material And Plating

Piece Parts	Material	Plating
Centre Contact	Beryllium Copper	Gold plating, 3 pinch (Non-magnetic nickel-phosphorus underplating, 100 pinch)
Body	Stainless Steel	Passivated
Insulator	PEI	
Gasket	Silicone Rubber	
Coupling Nut	Stainless Steel	Passivated

2.92mm Plug (Male) Open

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Mechanical Data

Coupling mechanisms	Screw-lock
Mating Cycles	≥ 500
Coupling Test Torque	1.70 Nm max.
Recommended Torque	0.90 Nm

Environmental Data

Temperature Range ²	+ 20 °C to +26 °C
Rated temperature range of use ³	0 °C to +50 °C
Storage 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

²Temperature range over which these specification are valid.

³This range is underneath and above the operating temperature range, within the open circuit is fully functional and could be used without damage

Packing

Single or 100