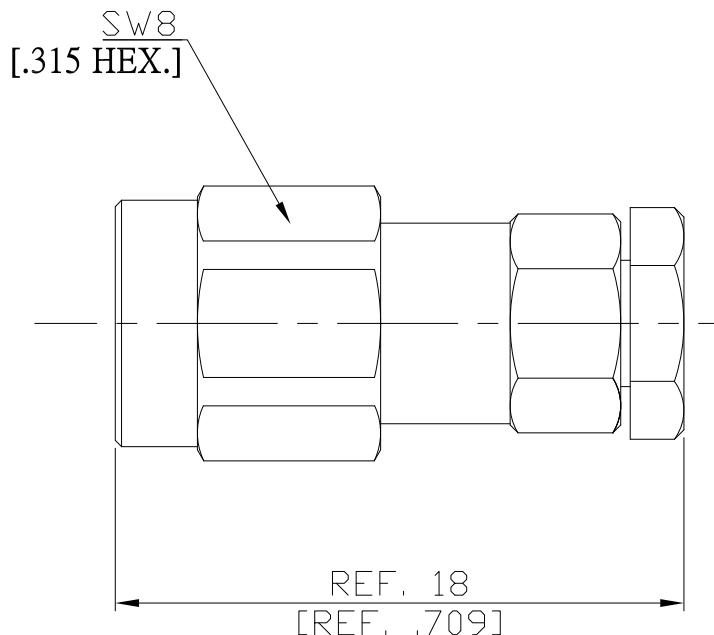


2.92mm Plug (Male) Connector Cable Entry: Clamp, Contact Pin:  
Solder, Attachment For EF047 Cable, DC-40GHz VSWR1.2

## K1K50-EF047A/9XX



All dimensions are in mm [inch]

Tolerances according to DIN ISO 2768-mH

### Interface

According to

IEC 61169-35, IEEE Std 287-2007; MIL-STD-348A/323

Mechanically Compatible with

3.5 mm and SMA

### Electrical Data

Impedance

50 Ω

Frequency

DC to 40 GHz

VSWR (Return Loss)

≤ 1.20 (≥ 20.83 dB)

Insertion Loss

≤ 0.04 x √F (GHz) dB

Insulation Resistance

≥ 5 GΩ

Center Contact Resistance

≤ 3.0 mΩ

Outer Contact Resistance

≤ 2.0 mΩ

Test Voltage (at sea level)

750 V rms

Working Voltage (at sea level)

250 V rms

RF Leakage

≥ 100 dB up to 1 GHz

-VSWR in application depends decisive on cable assembly process-

### Material And Plating

Piece Parts	Material	Plating
Centre contact	Beryllium Copper	Gold plating, 3 μinch(Non-magnetic nickel-phosphorus underplating, 80 μinch)
Body	Stainless Steel	Passivated
Insulator	PTFE	
Gasket	Silicone Rubber	
Coupling nut	Stainless Steel	Passivated

2.92mm Plug (Male) Connector Cable Entry: Clamp, Contact Pin:  
Solder, Attachment For EF047 Cable, DC-40GHz VSWR1.2

## K1K50-EF047A/9XX

## Mechanical Data

Coupling mechanisms	Screw Lock
Mating Cycles	≥ 500
Center contact captivation	≥ 20 N
Coupling Test Torque	1.7 Nm
Recommended Torque	0.9 Nm

## Environmental Data

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

## Suitable Cables

RSR047, RSFO47, RSFO47-FEP, RSFO47-PVC, EF047

## Packing

Single or 100