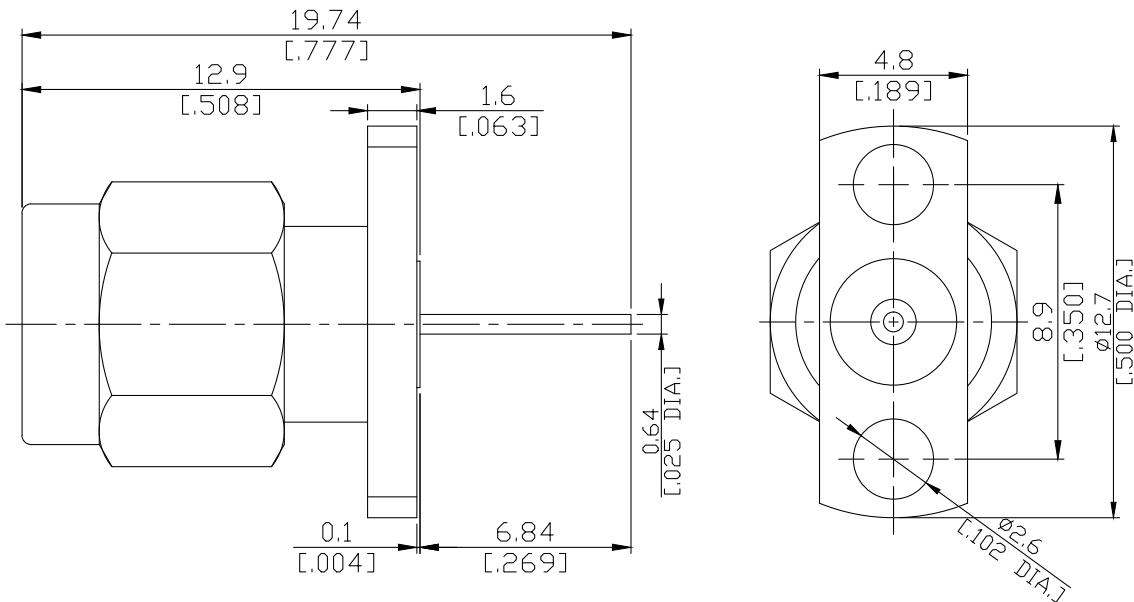


2.92mm plug (male) Connector Solder Attachment 2 Hole Flange Mount  
Stub Terminal, 8.9mm (.350 inch) Hole Spacing DC-40GHz VSWR1.20

## K1GTA50-1974C / 9XX



All dimensions are in mm [inch]

Tolerances according to DIN ISO 2768-mH

### Interface

According to

IEC 61169-35

Mechanically compatible with

3.50mm 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

750 V rms

Working Voltage (at sea level)

250 V rms

Power Handling

≤ 100 W @ 1 GHz

### Material And Plating

#### Piece Parts

#### Material

#### Plating

Centre contact

Beryllium Copper

Gold plating, 3 µinch

Body

(Non-magnetic nickel-phosphorus underplating, 80 µinch)

Insulator

Passivated

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.:-

Rosnol RF/Microwave Technology Co., Ltd.

[www.rosnol.com](http://www.rosnol.com); [info@rosnol.com](mailto:info@rosnol.com)

Phone: +886-3-463-5095 / Fax: +886-3-463-5952

N-CAGE Code: SFKK0 / ISO9001 Certified

Page

1/2



2.92mm plug (male) Connector Solder Attachment 2 Hole Flange Mount  
Stub Terminal, 8.9mm (.350 inch) Hole Spacing DC-40GHz VSWR1.20

## K1GTA50-1974C / 9XX

### Mechanical Data

Coupling mechanisms	Screw-lock
Mating Cycles	≥ 500
Centre Contact	Soldered
Terminal Type	Stub
Captivated Type	Mechanical Captivation
Center contact captivation	≥ 20 N
Coupling test torque	1.70 Nm
Recommended torque	0.80 Nm to 1.10 Nm
Recommended torque fastening screws	0.3 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
RoHS	compliant

### Packing

Single or 100