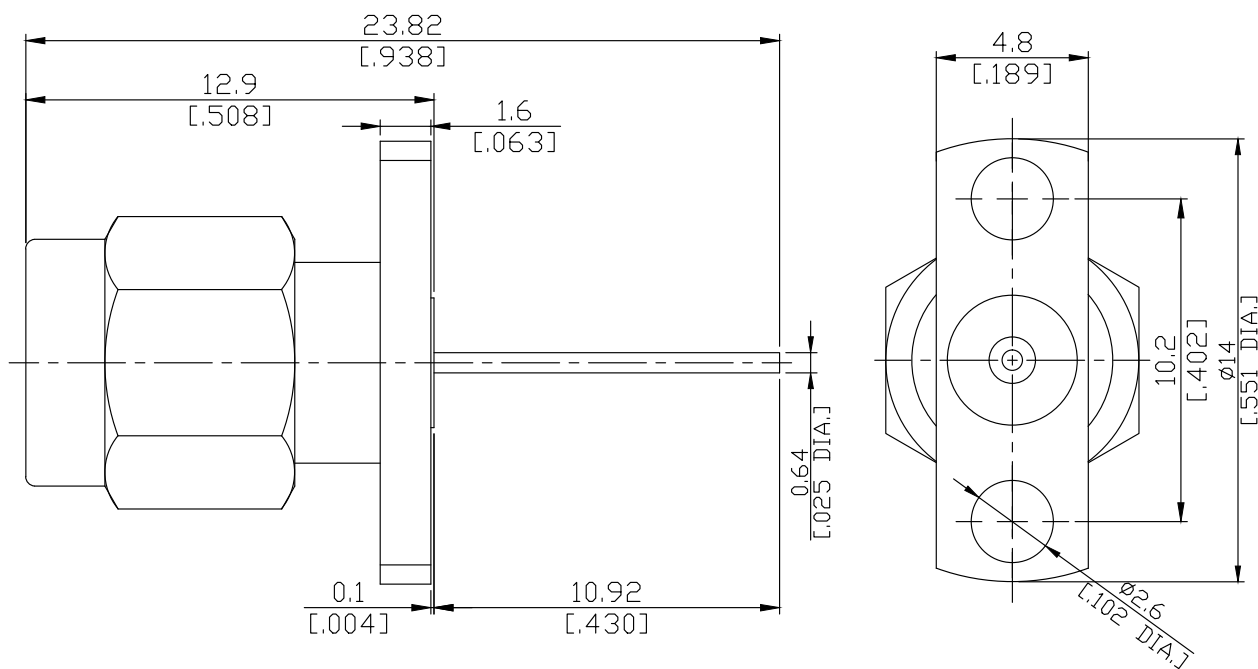


2.92mm plug (male) Connector Solder Attachment 2 Hole Flange Mount  
Stub Terminal, 10.2mm (.402 inch) Hole Spacing DC-40GHz VSWR1.20

## K1GTA50-2382B / 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  $\Omega$   
Frequency DC to 40 GHz  
VSWR (Return Loss)  $\leq 1.20$  ( $\geq 20.83$  dB)  
Insertion Loss  $\leq 0.04 \times \sqrt{F}$  (GHz) dB  
Insulation Resistance  $\geq 5$  G $\Omega$   
Center contact resistance  $\leq 3.0$  m $\Omega$   
Outer contact resistance  $\leq 2.0$  m $\Omega$   
Test Voltage 750 V rms  
Working Voltage (at sea level) 250 V rms  
Power Handling  $\leq 100$  W @ 1 GHz

### Material And Plating

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

2.92mm plug (male) Connector Solder Attachment 2 Hole Flange Mount  
Stub Terminal, 10.2mm (.402 inch) Hole Spacing DC-40GHz VSWR1.20

## K1GTA50-2382B / 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