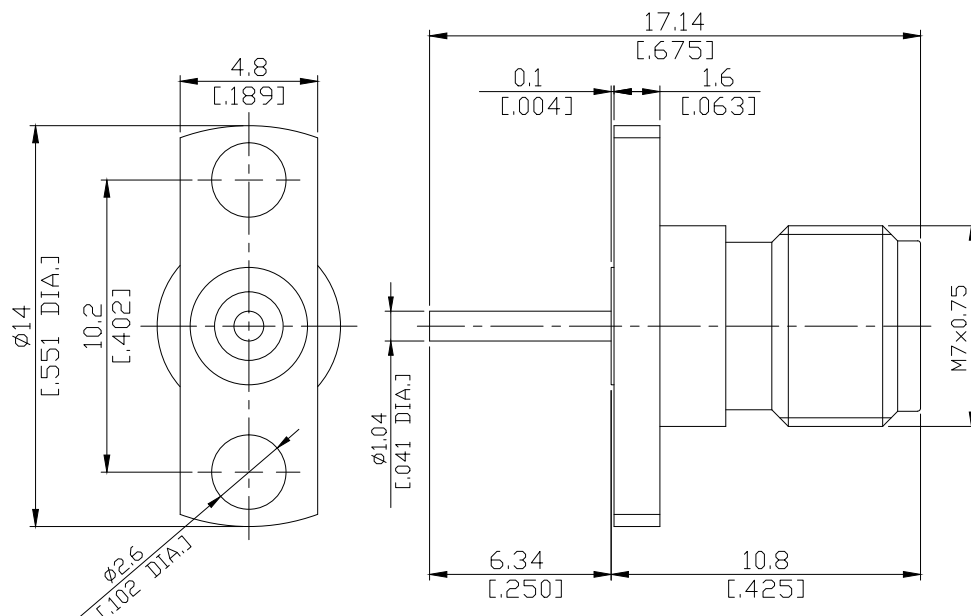


2.4mm jack (female) Connector Solder Attachment 2 Hole Flange Mount  
Stub Terminal, 10.2mm (.402 inch) Hole Spacing DC-50GHz VSWR1.15

## Q2GTA50-1714B / 9X



All dimensions are in mm [inch]

Tolerances according to DIN ISO 2768-mH

### Interface

According to

IEC 61169-40

Mechanically compatible with

1.85mm

### Electrical Data

Impedance

50 Ω

Frequency

DC to 50 GHz

VSWR (Return Loss)

≤ 1.15 (≥ 23 dB)

Insertion Loss

≤ 0.05 × √F (GHz) dB

Insulation Resistance

≥ 5 GΩ

Test Voltage

500 V rms

Working Voltage (at sea level)

150 V rms

Power Handling (at 20 °C, sea level, VSWR 1.0)

≤ 100 W @ 1 GHz

### Material And Plating

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

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## Q2GTA50-1714B / 9X

### 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       | 1.65 Nm                |
| Recommended torque         | 0.80 Nm to 1.10 Nm     |

### Environmental Data

|                     |                               |
|---------------------|-------------------------------|
| Temperature Range   | -40°C to +85°C                |
| Thermal shock       | IEC 61169-1, Subclause 9.4.4  |
| Corrosion           | IEC 61169-1, Subclause 9.4.6  |
| Vibration           | IEC 61169-1, Subclause 9.3.3  |
| Shock               | IEC 61169-1, Subclause 9.3.14 |
| Moisture Resistance | IEC 61169-1, Subclause 9.4.3  |
| RoHS                | compliant                     |

### Packing

Single or 100