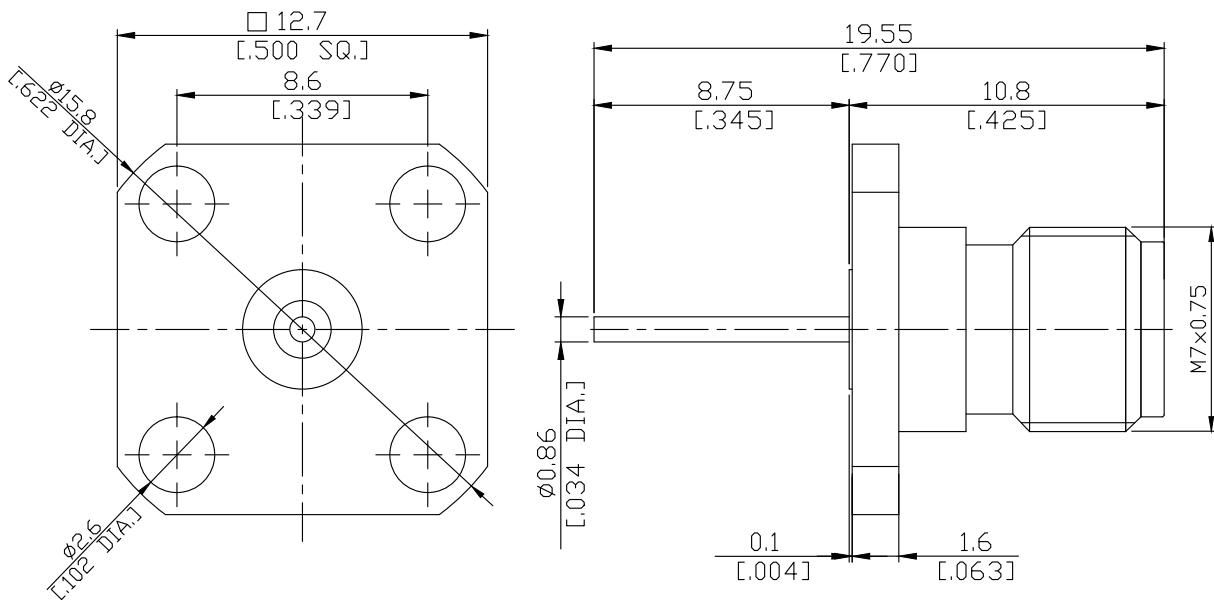


2.4mm jack (female) Connector Solder Attachment 4 Hole Flange Mount  
 Stub Terminal, 8.6mm (.339 inch) Hole Spacing DC-50GHz VSWR1.15

## Q2GFA50-1955A / 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 x √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

Centre contact

#### Material

Beryllium Copper

#### Plating

Gold plating, 3 µinch

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

Body

Stainless Steel

Passivated

Insulator

PEI/PTFE

2.4mm jack (female) Connector Solder Attachment 4 Hole Flange Mount  
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## Q2GFA50-1955A / 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