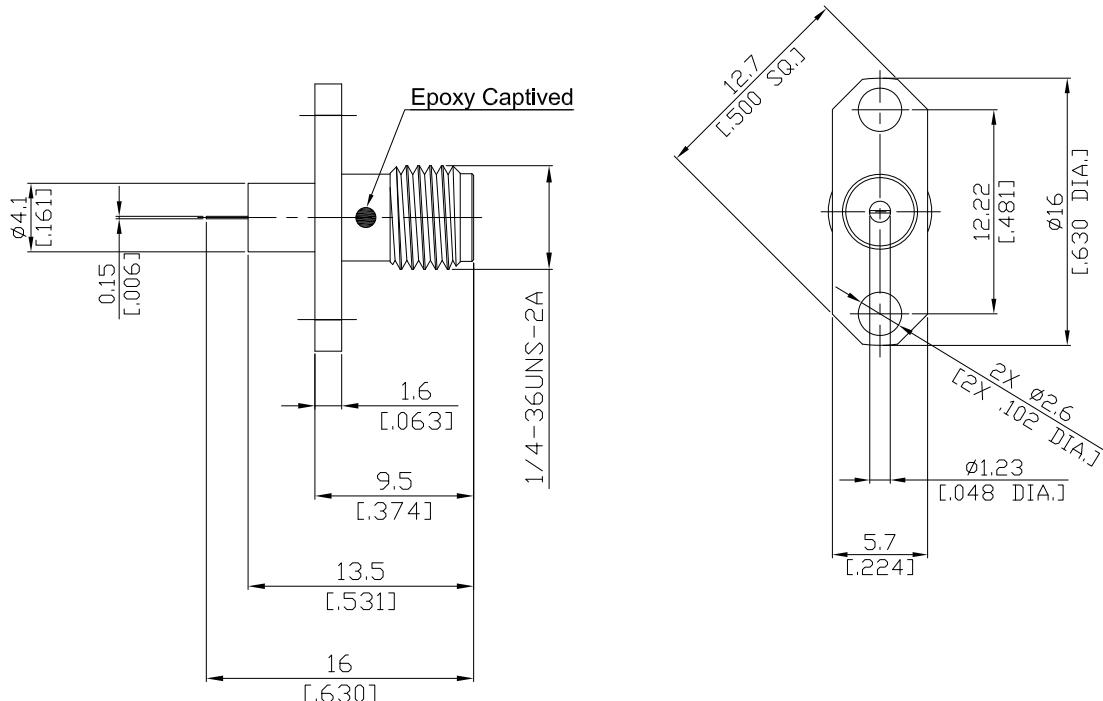


SMA Jack (Female) Connector Solder Attachment 2 Hole Flange Mount  
Flat Terminal, 12.22mm (.481 inch) Hole Spacing DC-18GHz VSWR1.30

## SMA2GTD50-1600A-EC / 9X



All dimensions are in mm [inch]

Tolerances according to DIN ISO 2768-mH

### Interface

According to

IEC 61169-15; MIL-STD-348B/310

### Electrical Data

Impedance 50 Ω

Frequency DC to 18 GHz

VSWR (Return Loss) ≤ 1.30 ( $\geq 17.7$  dB)

Insertion Loss  $\leq 0.05 \times \sqrt{f}$  (GHz) dB

Insulation Resistance  $\geq 5 \text{ G}\Omega$

Center Contact Resistance  $\leq 3 \text{ m}\Omega$

Outer Contact Resistance  $\leq 2 \text{ m}\Omega$

Test Voltage 1000 V rms

Working Voltage (at sea level) 480 V rms

Power Handling (at 20 °C, sea level, VSWR 1.0)  $\leq 200 \text{ W}$  @ 2 GHz

### Material And Plating

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

SMA Jack (Female) Connector Solder Attachment 2 Hole Flange Mount Flat Terminal, 12.22mm (.481 inch) Hole Spacing DC-18GHz VSWR1.30

# SMA2GTD50-1600A-EC / 9X

## Mechanical Data

|                                   |                   |
|-----------------------------------|-------------------|
| Coupling mechanisms               | Screw-lock        |
| Mating Cycles                     | ≥ 500             |
| Centre Contact                    | Soldered          |
| Terminal Type                     | Flat              |
| Captivated Type                   | Epoxy Captivation |
| Center Contact Captivation: axial | ≥ 27 N            |
|                                   | ≥ 3 Ncm           |
| Coupling Test Torque              | max. 1.7 Nm       |
| Recommended Torque                | 0.8 Nm to 1.1 Nm  |

## Environmental Data

|                     |                                 |
|---------------------|---------------------------------|
| Temperature Range   | -65°C to +165°C                 |
| Thermal shock       | MIL-STD-202, Meth. 107, Cond. B |
| Corrosion           | MIL-STD-202, Meth. 101, Cond. 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                       |

## Packing

Single or 100