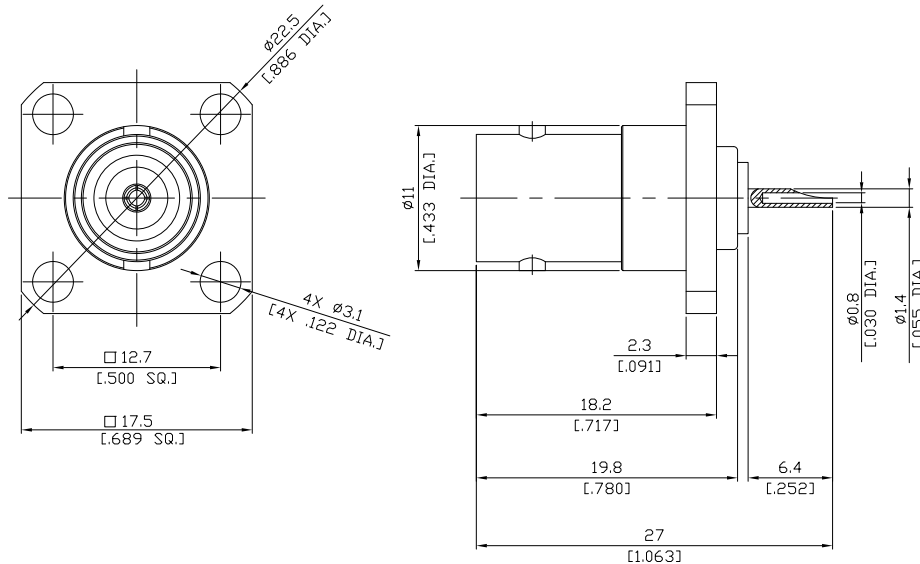


BNC Jack (Female) Connector Solder Attachment 4 Hole Flange Mount  
Solder Cup Terminal, 12.7mm (.500 inch) Hole Spacing DC-4GHz VSWR1.22

## BNC2GFB50-2700A / H3



All dimensions are in mm [inch]

Tolerances according to DIN ISO 2768-mH

### Interface

According to

IEC 60169-8; MIL-STD-348B/301

### Electrical Data

|                                                |                                      |              |
|------------------------------------------------|--------------------------------------|--------------|
| Impedance                                      | 50 $\Omega$                          |              |
| Frequency                                      | DC to 4 GHz                          |              |
| VSWR (Return Loss)                             | $\leq 1.22$ ( $\geq 20$ dB)          | 2.5 to 4 GHz |
| Insertion Loss                                 | $\leq 0.05 \times \sqrt{f}$ (GHz) dB | DC to 4 GHz  |
| Insulation Resistance                          | $\geq 5$ G $\Omega$                  |              |
| Center Contact Resistance                      | $\leq 1.5$ m $\Omega$                |              |
| Outer Contact Resistance                       | $\leq 1$ m $\Omega$                  |              |
| Test Voltage                                   | 1500 V rms                           |              |
| Working Voltage (at sea level)                 | 400 V rms                            |              |
| Power Handling (at 20 °C, sea level, VSWR 1.0) | $\leq 80$ W @ 2 GHz                  |              |

### Material And Plating

| Piece Parts    | Material        | Plating                                                                                    |
|----------------|-----------------|--------------------------------------------------------------------------------------------|
| Centre contact | Phosphor Bronze | Gold plating, 3 $\mu$ inch<br>(Non-magnetic nickel-phosphorus underplating, 80 $\mu$ inch) |
| Body           | Brass           | Nickel                                                                                     |
| Insulator      | PTFE            |                                                                                            |

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## BNC2GFB50-2700A / H3

### Mechanical Data

|                                   |            |
|-----------------------------------|------------|
| Coupling mechanisms               | Bayonet    |
| Mating Cycles                     | ≥ 500      |
| Centre Contact                    | Soldered   |
| Terminal Type                     | Solder cup |
| Captivated Type                   | Mechanical |
| Center Contact Captivation: axial | ≥ 15 N     |

### Environmental Data

|                     |                                 |
|---------------------|---------------------------------|
| Temperature Range   | -55°C to +155°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. B |
| Shock               | MIL-STD-202, Meth. 213, Cond. G |
| Moisture Resistance | MIL-STD-202, Meth. 106          |
| RoHS                | compliant                       |

### Packing

Single or 100