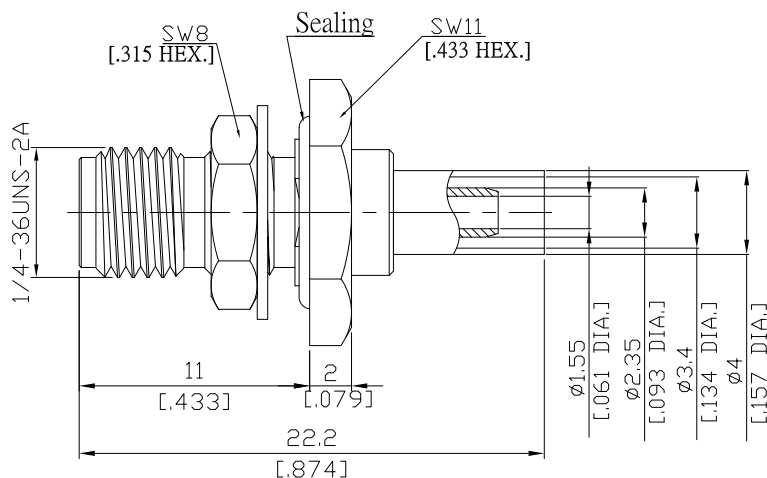


SMA Straight Bulkhead Cable Jack

SMA2CA50-D316B/94



All dimensions are in mm [inch]

Tolerances according to DIN ISO 2768-mH

**Interface**

According to IEC 60169-15; MIL-C-39012; MIL-STD-348A/310

**Electrical Data**

Impedance 50 Ω  
 Frequency DC to 12.4 GHz  
 VSWR (Return Loss) ≤ 1.04 (≥ 34.15 dB), DC to 1 GHz  
 ≤ 1.05 (≥ 32.26 dB), 1 to 2.5 GHz  
 ≤ 1.20 (≥ 20.83 dB), 2.5 to 5 GHz  
 Insertion Loss ≤ 0.03 x √F [GHz] dB, DC to 5 GHz

- Limitations are possible due to the used cable type and manufacturing process -

**Mechanical Data**

Coupling mechanisms Screw-lock  
 Centre contact Soldered  
 Cable entry Crimped

**Environmental Data**

Temperature range -65°C to +165°C  
 RoHS compliant

**Material And Plating**

| Connector parts | Material         | Plating                          |
|-----------------|------------------|----------------------------------|
| Centre contact  | Beryllium Copper | Gold plating(Nickel underplated) |
| Body            | Brass            | Copper-Tin-Zinc Alloy            |
| Insulator       | PTFE             |                                  |
| Gasket          | Silicone Rubber  |                                  |
| Crimp ferrules  | Brass            | Copper-Tin-Zinc Alloy            |
| Fastening nut   | Brass            | Copper-Tin-Zinc Alloy            |
| Washer          | Brass            | Copper-Tin-Zinc Alloy            |

**Suitable Cables**

RG 316/U-d, K 02252 D, 5YCC6Y 0.54/1.5

**Packing**

Single or 100

**Related Document**

Mounting Dimension MD20