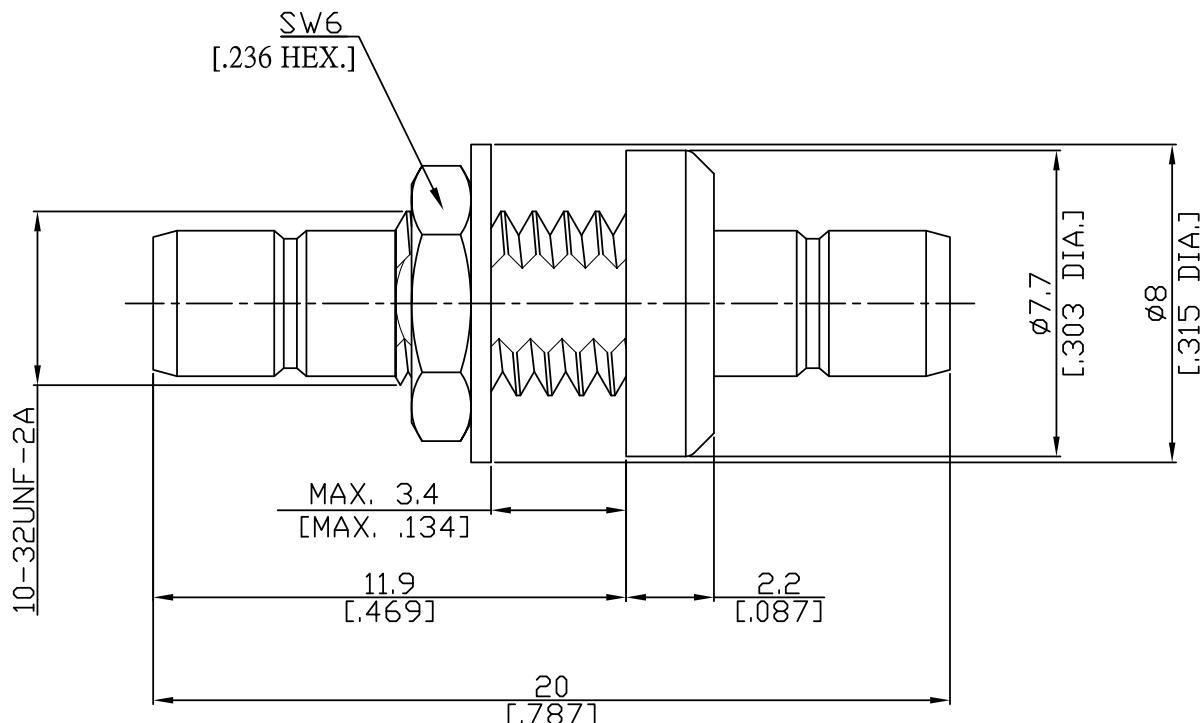


SMB Jack (female) / SMB Jack (female) Bulkhead adaptor
DC-4 GHz, VSWR \leq 1.35

AD-S2S25A-BH / 11-11



All dimensions are in mm [inch]

Tolerances according to DIN ISO 2768-mH

Interface

according to

IEC 60169-10; MIL-STD-348B/311

Electrical Data

Impedance

50 Ω

Frequency

DC to 4 GHz

VSWR (Return Loss)

\leq 1.35 (\geq 16.54 dB)

Insertion Loss

$\leq 0.1 \times \sqrt{F}$ (GHz) dB

Insulation resistance

≥ 5 G Ω

Center contact resistance

≤ 5 m Ω

Outer contact resistance

≤ 2.5 m Ω

Test voltage

750 V rms, 50 Hz, at sea level

Working voltage

\leq 250 V rms, 50 Hz, at sea level

Contact current

1.5 A DC typ.

RF-leakage

\geq 55 dB up to 1 GHz

SMB Jack (female) / SMB Jack (female) Bulkhead adaptor
DC-4 GHz, VSWR ≤ 1.35

AD-S2S25A-BH / 11-11

Material And Plating

| | | |
|-------------------|----------|--|
| Piece Parts (SMB) | Material | Plating |
| Centre contact | Brass | Gold plating, 3 µinch (Non-magnetic nickel-phosphorus underplating, 80 µinch) |
| Body | Brass | Gold plating, 3 µinch (Non-magnetic nickel-phosphorus underplating, 80 µinch) |
| Insulator | PTFE | |
| Fastening nut | Brass | Gold plating, 3 µinch (Non-magnetic nickel-phosphorus underplating, 80 µinch) |
| Washer | Brass | Gold plating, 3 µinch (Non-magnetic nickel-phosphorus underplating, 80 µinch) |
| Piece Parts (SMB) | Material | Plating |
| Centre contact | Brass | Gold plating, 3 µinch (Non-magnetic nickel-phosphorus underplating, 80 µinch) |
| Body | Brass | Gold plating, 3 µinch (Non-magnetic nickel-phosphorus underplating, 80 µinch) |
| Insulator | PTFE | |

Mechanical Data

| | |
|-----------------------------------|-----------------------|
| Coupling mechanisms | Screw-lock |
| Mating cycles | min. 500 |
| Center contact captivation: axial | ≥ 27 N |
| Engagement force | ≤ 63 N |
| Disengagement force | 8 N min. to 63 N max. |

Environmental Data

| | |
|---------------------|---------------------------------|
| Temperature Range | -65°C to +155°C |
| Thermal shock | MIL-STD-202, Meth. 107, Cond. B |
| Vibration | MIL-STD-202, Meth. 204, Cond. B |
| Corrosion | MIL-STD-202, Meth. 101, Cond. B |
| Moisture resistance | MIL-STD-202, Method 106 |
| RoHS | compliant |

Packing

Single or 100