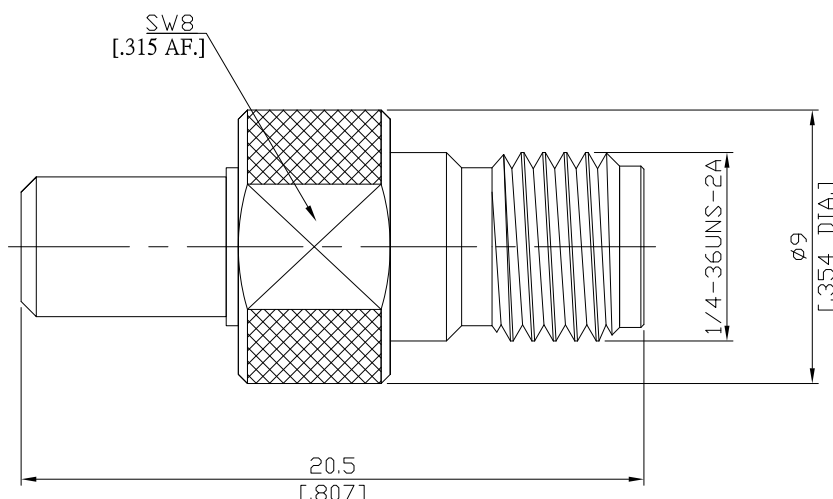


SSMB plug (male) / SMA jack (female)
Adapter DC-4 GHz VSWR1.35

AD-SB1A25A / 911-91



All dimensions are in mm [inch]

Tolerances according to DIN ISO 2768-mH

Interface

SSMB side according to

IEC 60169-10; MIL-STD-348B/320

SMA side according to

IEC 60169-15; MIL-STD-348B/310

Electrical Data

Impedance

50 Ω

Frequency

DC to 4 GHz

VSWR (Return Loss)

≤ 1.35 (≥ 16.5 dB)

Insertion Loss

≤ 0.05 x √F (GHz) dB

Insulation resistance

≥ 1 GΩ

Center contact resistance

≤ 5 mΩ, SSMB side;

≤ 3 mΩ, SMA side

Outer contact resistance

≤ 2.5 mΩ, SSMB side;

≤ 2 mΩ, SMA side

Test voltage

750 V rms, 50 Hz, at sea level

Working voltage

≤ 250 V rms, 50 Hz, at sea level

Contact current

1.5 A DC typ.

RF-leakage

≥ 55 dB up to 1 GHz

Material And Plating

| Piece Parts (SSMB) | | Material | Plating |
|--------------------|--|------------------|--|
| Centre contact | | Beryllium Copper | 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 | |
| Coupling nut | | Brass | Gold plating, 3 μinch (Non-magnetic nickel-phosphorus underplating, 80 μinch) |
| Piece Parts (BNC) | | Material | Plating |
| Centre contact | | Beryllium Copper | Gold plating, 3 μinch (Non-magnetic nickel-phosphorus underplating, 80 μinch) |
| Body | | Brass | Copper-Tin-Zinc Alloy |
| Insulator | | PTFE | |

SSMB plug (male) / SMA jack (female)
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Mechanical Data

| | | |
|----------------------------------|-----------------------|------------|
| | SSMB Side | SMA Side |
| Coupling mechanisms | Snap-lock | Screw-lock |
| Mating Cycles | min. 500 | min. 500 |
| Center contact captivation axial | ≥ 10 N | ≥ 10 N |
| Engagement force | ≤ 63 N | N/A |
| Disengagement force | 8 N min. to 63 N max. | N/A |

Environmental Data

| | |
|---------------------|---------------------------------|
| Temperature Range | -65°C to +165°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, Meth. 106 |
| RoHS | compliant |

Packing

Single or 100