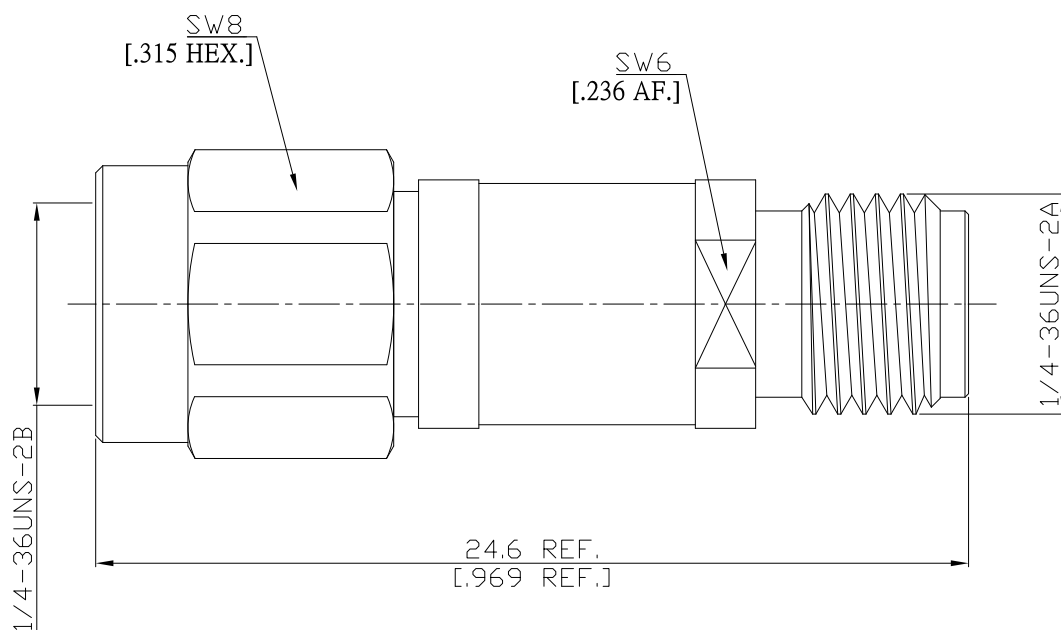


Fixed Attenuator SMA pulg (male) / SMA jack (female)  
DC-6 GHz, 2 Watt, VSWR ≤ 1.3

**FA-A1A25A-6G2W6 / 9XX-9X**



All dimensions are in mm [inch]

Tolerances according to DIN ISO 2768-mH

**Interface**

according to

IEC 60169-15; CECC 22110; MIL-PRF-39012 SMA; MIL-STD-348/310

**Electrical Data**

Impedance

50 Ω

Frequency

DC to 6GHz

VSWR (Return Loss)

≤ 1.3 (≥ 17.69 dB)

Power handling (Watt)

2Watts average to 25°C

**Accuracy Of Attenuation & Power**

|                          |     |
|--------------------------|-----|
| Nominal Attenuation (dB) | 6   |
| Deviation (± dB)         | 0.5 |

**Material And Plating**

| Piece Parts (SMA) | Material         | Plating                                                                         |
|-------------------|------------------|---------------------------------------------------------------------------------|
| Centre contact    | Beryllium Copper | Gold plating, 3 pinch<br>Non-magnetic nickel-phosphorus underplating, 100 pinch |
| Body              | Stainless Steel  | Passivated                                                                      |
| Insulator         | PTFE             |                                                                                 |
| Gasket            | Silicone Rubber  |                                                                                 |
| Coupling nut      | Stainless Steel  | Passivated                                                                      |
| Piece Parts (SMA) | Material         | Plating                                                                         |
| Centre contact    | Beryllium Copper | Gold plating, 3 pinch<br>Non-magnetic nickel-phosphorus underplating, 100 pinch |
| Body              | Stainless Steel  | Passivated                                                                      |
| Insulator         | PTFE             |                                                                                 |

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**FA-A1A25A-6G2W6 / 9XX-9X**

**Mechanical Data**

|                                   |                  |
|-----------------------------------|------------------|
| Coupling mechanisms               | Screw-lock       |
| Mating cycles                     | ≥ 500            |
| Center contact captivation: axial | ≥ 27 N           |
| radial                            | ≥ 3 Ncm          |
| Coupling test torque              | ≤ 1.7 Nm         |
| Recommended torque                | 0.8 Nm to 1.1 Nm |

**Environmental Data**

|                     |                                      |
|---------------------|--------------------------------------|
| Temperature Range   | -65°C to +125°C                      |
| Thermal shock       | MIL-STD-202, Method 107, Condition B |
| Corrosion           | MIL-STD-202, Method 101, Condition B |
| Vibration           | MIL-STD-202, Method 204, Condition D |
| Shock               | MIL-STD-202, Method 213, Condition I |
| Moisture resistance | MIL-STD-202, Method 106              |
| RoHS                | compliant                            |

**Packing**

Single or 100