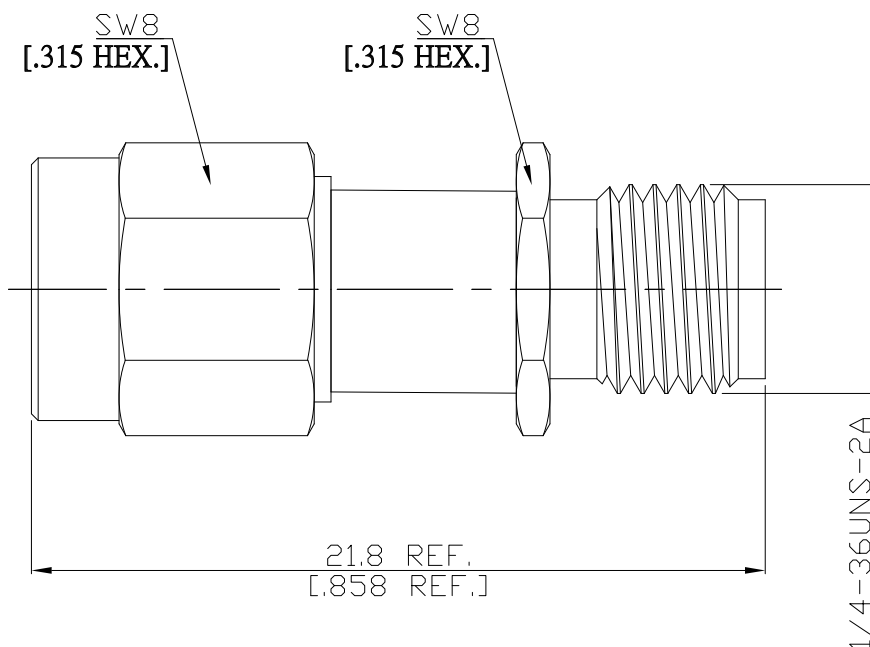




Fix Attenuator SMA pulg (male) / SMA jack (female)  
1Watts Up to 18 GHz, VSWR ≤ 1.35

## FA-A1A25B-18G1W7 / 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 18 GHz

VSWR (Return Loss)

≤ 1.35 (≥ 16.54 dB)

Test voltage

1000 V rms

Working voltage

480 V rms

Power Rating

1 W

### Accuracy Of Attenuation & Power

| dB Value         | 1-9 dB | 10 dB | 20  | 25-30 dB |
|------------------|--------|-------|-----|----------|
| Deviation (± dB) | 0.3    | 0.5   | 0.8 | 1        |

### Material And Plating

| Piece Parts (SMA) | Material         | Plating                                                                          |
|-------------------|------------------|----------------------------------------------------------------------------------|
| Centre contact    | Beryllium Copper | Gold plating, 3 pinch<br>(Non-magnetic nickel-phosphorus underplating, 80 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, 80 pinch) |
| Body              | Stainless Steel  | Passivated                                                                       |
| Insulator         | PTFE             |                                                                                  |

The facts and figures herein are carefully compiled to the best of our knowledge, but they are intended for general informational purposes only. In the effort to improve our products, we reserve the right to make changes judged to be necessary.

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Page

1/2

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**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