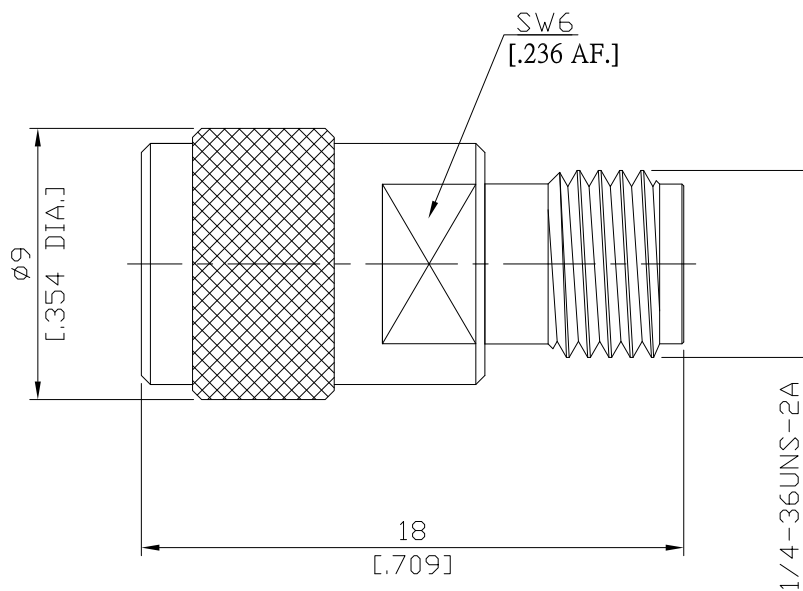


SMA Snap-on plug (male) / SMA jack (female)  
Straight Adaptor DC-18 GHz VSWR 1.15

**AD-AQ1A25A / 99X-9X**



All dimensions are in mm [inch]

Tolerances according to DIN ISO 2768-mH

**Interface**

According to

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

**Electrical Data**

|                           |                      |
|---------------------------|----------------------|
| Impedance                 | 50 Ω                 |
| Frequency                 | DC to 18 GHz         |
| VSWR (Return Loss)        | ≤ 1.15 (≥ 23 dB)     |
| Insertion loss            | ≤ 0.05 × √F (GHz) dB |
| Insulation resistance     | ≥ 5 GΩ               |
| Center contact resistance | ≤ 3 mΩ               |
| Outer contact resistance  | ≤ 3 mΩ               |
| Test voltage              | 1000 V rms           |
| Working voltage           | 350 V rms            |

**Material And Plating**

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

SMA Snap-on plug (male) / SMA jack (female)  
Straight Adaptor DC-18 GHz VSWR 1.15

**AD-AQ1A25A / 99X-9X**

**Mechanical Data**

|                            |                  |            |
|----------------------------|------------------|------------|
|                            | SMA Snap-On male | SMA female |
| Coupling mechanisms        | Snap-lock        | Screw-lock |
| Mating cycles              | ≥ 500            | ≥ 500      |
| Center contact captivation | ≥ 27 N           | ≥ 27 N     |

**Environmental Data**

|                     |                                 |
|---------------------|---------------------------------|
| Temperature range   | -65°C to +165°C                 |
| Thermal shock       | MIL-STD-202, Meth. 107, Cond. B |
| Corrosion           | MIL-STD-202, Meth. 101, Cond. B |
| Vibration           | MIL-STD-202, Meth. 204, Cond. D |
| Shock               | MIL-STD-202, Meth. 213, Cond. I |
| Moisture resistance | MIL-STD-202, Meth. 106          |
| RoHS                | compliant                       |

**Packing**

Single or 100