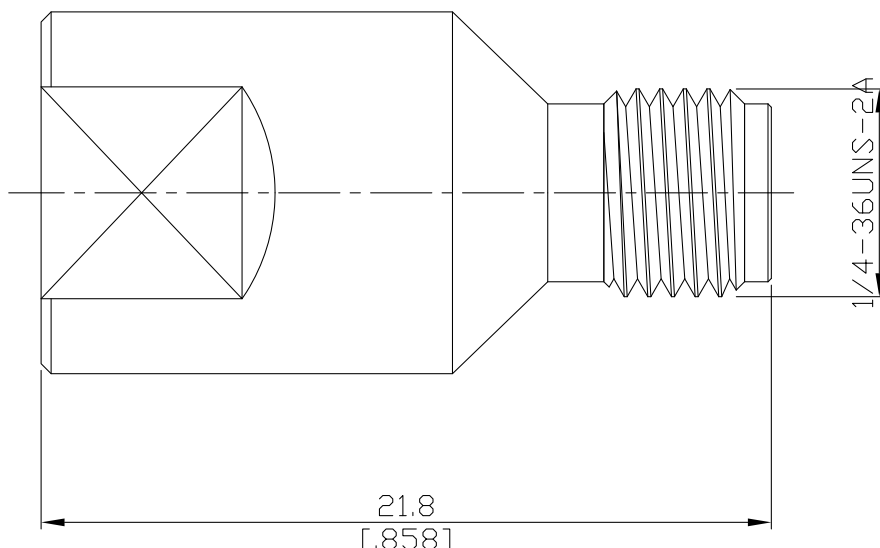


FME plug (male) / SMA jack (female)  
Straight Adaptor DC-2.5 GHz

**AD-E1A25A / 14-94**



All dimensions are in mm [inch]

Tolerances according to DIN ISO 2768-mH

**Interface**

|                  |                               |
|------------------|-------------------------------|
| FME according to | N/A                           |
| SMA according to | IEC 61169-8; MIL-STD-348B/301 |

**Electrical Data**

|                           |                                  |                                 |
|---------------------------|----------------------------------|---------------------------------|
| Impedance                 | 50 $\Omega$                      |                                 |
| Frequency                 | DC to 2.5 GHz                    |                                 |
| Insulation resistance     | $\geq 5$ G $\Omega$              |                                 |
| Center contact resistance | $\leq 10$ m $\Omega$ , FME side  | $\leq 3$ m $\Omega$ , SMA side; |
| Outer contact resistance  | $\leq 1.5$ m $\Omega$ , FME side | $\leq 2$ m $\Omega$ , SMA side; |
| Test voltage              | 1000 V rms                       |                                 |
| Working voltage           | 480 V rms                        |                                 |

**Material And Plating**

| Piece Parts (FME) | Material         | Plating                                                                                    |
|-------------------|------------------|--------------------------------------------------------------------------------------------|
| Centre contact    | Brass            | Gold plating, 3 $\mu$ inch<br>(Non-magnetic nickel-phosphorus underplating, 80 $\mu$ inch) |
| Body              | Brass            | Copper-Tin-Zinc Alloy                                                                      |
| Insulator         | PTFE             |                                                                                            |
| Piece Parts (SMA) | Material         | Plating                                                                                    |
| Centre contact    | Beryllium Copper | Gold plating, 3 $\mu$ inch<br>(Non-magnetic nickel-phosphorus underplating, 80 $\mu$ inch) |
| Body              | Brass            | Copper-Tin-Zinc Alloy                                                                      |
| Insulator         | PTFE             |                                                                                            |

FME plug (male) / SMA jack (female)  
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**Mechanical Data**

|                                   | FME side   | SMA side         |
|-----------------------------------|------------|------------------|
| Coupling mechanisms               | Screw-lock | Screw-lock       |
| Mating cycles                     | min. 300   | min. 500         |
| Coupling nut retention            | N/A        | ≥ 270 N          |
| Center contact captivation: axial | ≥ 28 N     | ≥ 27 N           |
| Coupling test torque              | max. 2 Nm  | max. 1.7 Nm      |
| Recommended torque                | N/A        | 0.8 Nm to 1.1 Nm |

**Environmental Data**

|                   |                 |
|-------------------|-----------------|
| Temperature Range | -65°C to +165°C |
| RoHS              | compliant       |

**Packing**

Single or 100