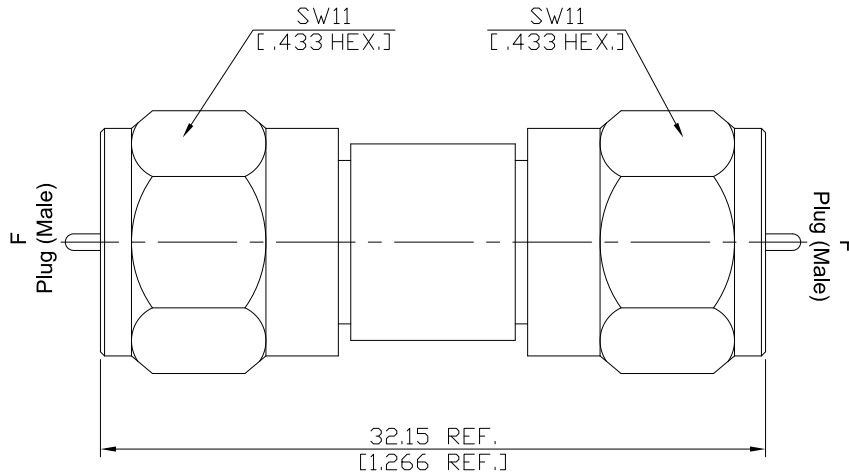


75Ω F Plug (Male) to 75Ω F Plug (Male) Straight Adapter,  
DC-3 GHz, VSWR 1.30

**AD-F1F17A / 144-144**



All dimensions are in mm [inch]  
Tolerances according to DIN ISO 2768-mH

**Interface**

F According to IEC 61169-24; ANSI/SCTE 02

**Electrical Data**

Impedance	75 Ω
Frequency	DC to 3 GHz
VSWR (Return Loss)	≤ 1.30 (≥ 17.69 dB)
Insertion Loss	≤ 0.1 × √F (GHz) dB
Insulation resistance	≥ 5 GΩ
Center contact resistance	≤ 5 mΩ
Outer contact resistance	≤ 2.5 mΩ
Test voltage	1500 V rms
Working voltage	500 V rms

**Material And Plating**

Piece Parts (F)	Material	Plating
Centre contact	Brass	Gold plating (Non-magnetic nickel-phosphorus underplating)
Body	Brass	Copper-Tin-Zinc Alloy
Insulator	PTFE	
Coupling nut	Brass	Copper-Tin-Zinc Alloy
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**Mechanical Data**

Coupling mechanisms	Screw-lock
Mating cycles	min. 500
Coupling nut retention	≥ 300 N
Center contact captivation: axial	≥ 20 N
Coupling test torque	max. 6.78 Nm
Recommended torque	1.1 Nm

**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. B
Shock	MIL-STD-202, Meth. 213, Cond. B
Moisture resistance	MIL-STD-202, Meth. 106
RoHS	compliant

**Packing**

Single or 100