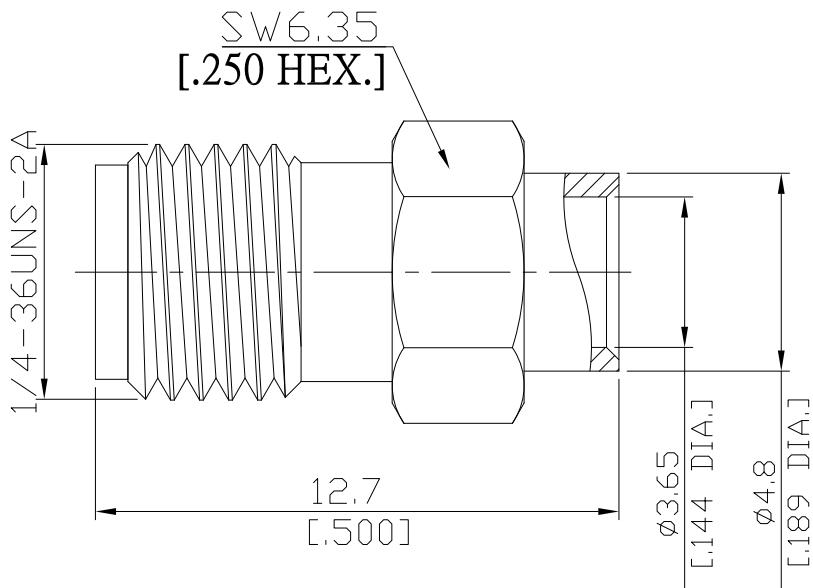


**SMA Jack (Female) Connector Solder/Solder  
Attachment for RSF141, RSR141, EF402 DC-18GHz VSWR1.20**

**SMA2E50-0141A / 93**



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) ≤ 1.20 ( $\geq 20.83$  dB)

Insertion Loss ≤  $0.03 \times \sqrt{f}$  (GHz) dB

Insulation Resistance ≥ 5 GΩ

Center Contact Resistance ≤ 3 mΩ

Outer Contact Resistance ≤ 2 mΩ

Test Voltage 1000 V rms

Working Voltage (at sea level) 480 V rms

Power Handling (at 20 °C, sea level, VSWR 1.0) ≤ 200 W @ 2 GHz

RF-leakage ≥ 100 dB up to 1 GHz

-VSWR in application depends decisive on cable assembly process-

#### Material And Plating

Connector parts	Material	Plating
Centre contact	Beryllium Copper	Gold plating (Non-magnetic nickel-phosphorus underplating)
Body	Brass	Nickel
Insulator	PTFE	

**SMA Jack (Female) Connector Solder/Solder  
Attachment for RSF141, RSR141, EF402 DC-18GHz VSWR1.20**

**SMA2E50-0141A / 93**

**Mechanical Data**

Coupling mechanisms	Screw-lock
Mating Cycles	min. 500
Centre Contact	Soldered
Cable Entry	Soldered
Coupling Test Torque	max. 1.7 Nm
Recommended Torque	0.8 Nm to 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.D
Shock	MIL-STD-202, Meth. 213, Cond. I
Moisture Resistance	MIL-STD-202, Meth. 106
RoHS	compliant

**Suitable Cables**

RSR-141, RSF-141, RSF-141-FEP, UT 141, RG 402/U, RTK-FS 141, RTK-Flex 402, BELDEN 1673A

**Packing**

Single or 100