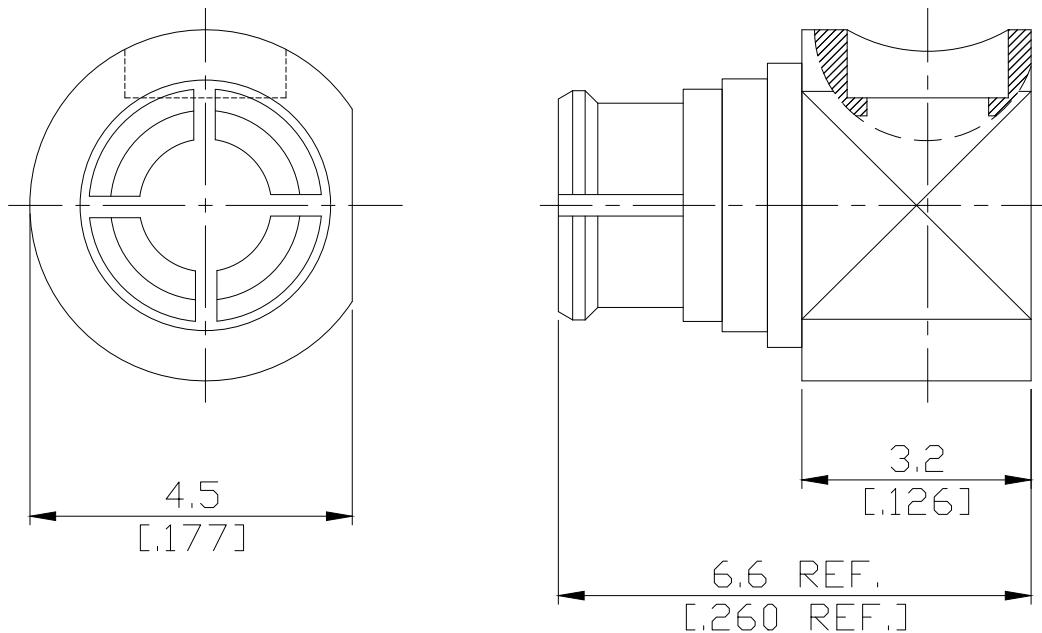


SMP Jack (Female) Right Angle Connector Solder Attachment
for .085, RG405 Cable DC-40GHz VSWR1.25@ 18GHz

SMP2E59-0085A-R / 13



All dimensions are in mm [inch]

Tolerances according to DIN ISO 2768-mH

Interface

According to

MIL-STD-348B/326

Electrical Data

Impedance	50 Ω
Frequency	DC to 40 GHz
VSWR (Return Loss)	≤ 1.25 (≥ 19.1 dB)@18 GHz
Insertion Loss	≤ 0.12 x √F (GHz) dB
Insulation resistance	≥ 5 GΩ
Center contact resistance	≤ 6 mΩ
Outer contact resistance	≤ 2 mΩ
Test voltage	500 V rms
Working voltage	335 V rms

Material And Plating

Piece Parts	Material	Plating
Centre contact	Brass	Gold plating, 3 pinch (Non-magnetic nickel-phosphorus underplating, 80 µinch)
Body	Brass	Nickel
Insulator	PTFE	

SMP Jack (Female) Right Angle Connector Solder Attachment
for .085, RG405 Cable DC-40GHz VSWR1.25@ 18GHz**SMP2E59-0085A-R / 13****Mechanical Data**

Coupling mechanisms	Snap-on	
Mating Cycles	Mating with Smooth Bore	≥ 1000
	Mating with Limited Detent	≥ 500
	Mating with Full Detent	≥ 100
Center contact captivation	≥ 7 N	
Engagement Force	Smooth Bore	9 N max.
	Limited Detent	45 N max.
	Full Detent	68 N max.
Disengagement force	Smooth Bore	2.2 N min.
	Limited Detent	9 N min.
	Full Detent	22 N min.

Environmental Data

Temperature Range	-65°C to +165°C
Thermal shock	MIL-STD-202, Meth. 107, Cond. B
Vibration	MIL-STD-202, Meth. 204, Cond. B
Shock	MIL-STD-202, Meth. 213, Cond. A
Moisture Resistance	MIL-STD-202, Method 106
RoHS	compliant

Packing

Single or 100