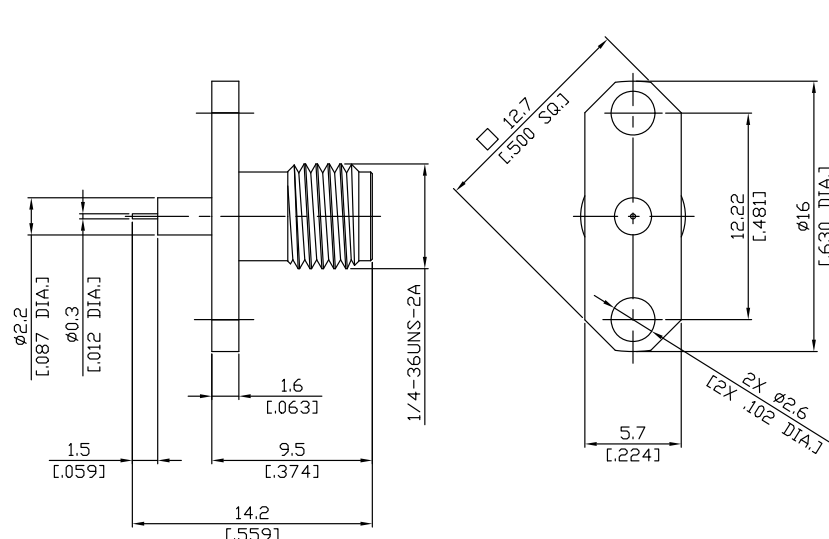
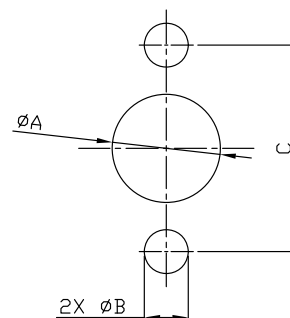


Precision SMA Jack (Female) Connector Solder Attachment 2 Hole Flange Mount
Stub Terminal, 12.22mm (.481 inch) Hole Spacing DC-27GHz VSWR1.35

PCA2GTA50-1420A / 91



Mounting Dimension



	mm		inch	
	Max.	Min.	Max.	Min.
A	4.2	4.1	.165	.161
B	2.7	2.6	.106	.102
C	12.25	12.15	.482	.478

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 27 GHz
VSWR (Return Loss)	≤ 1.35 (≥ 16.54 dB)
Insertion Loss	≤ 0.04 × √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

-VSWR in application depends decisive on PCB layout or cavity design-

Material And Plating

Piece Parts	Material	Plating
Centre contact	Beryllium Copper	Gold plating
Body	Brass	Gold plating
Insulator	PTFE	

Precision SMA Jack (Female) Connector Solder Attachment 2 Hole Flange Mount
Stub Terminal, 12.22mm (.481 inch) Hole Spacing DC-27GHz VSWR1.35

PCA2GTA50-1420A / 91

Mechanical Data

Coupling mechanisms	Screw-lock
Mating Cycles	≥ 500
Centre Contact	Soldered
Terminal Type	Stub
Center Contact Captivation: axial	≥ 27 N
radial	≥ 3 Ncm
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

Packing

Single or 100