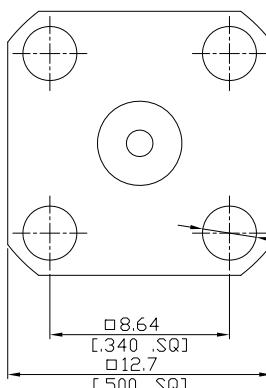
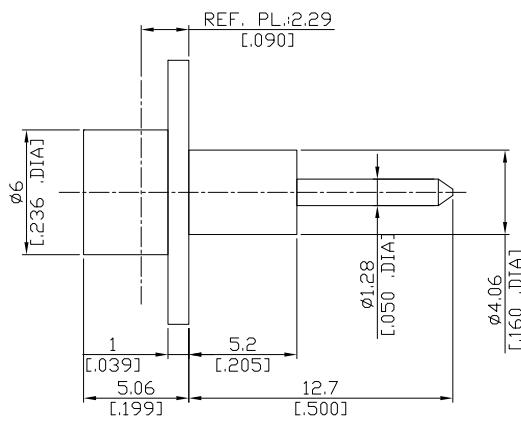
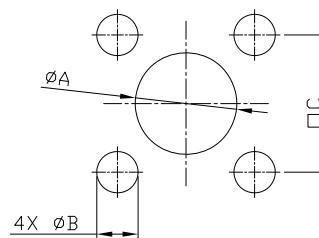


SMP Plug (Male) Smooth Bore Connector Solder Attachment 4 Hole Flange Mount
Stub Terminal, 8.64mm (.340 inch) Hole Spacing DC-12GHz VSWR1.2

SMP1GFA50SB-1776A / 9X



Mounting Dimensions



	mm		inch	
	Max.	Min.	Max.	Min.
A	4.26	4.16	.168	.163
B	2.8	2.7	.11	.106
C	12.75	12.65	.502	.498

All dimensions are in mm [inch]

Tolerances according to DIN ISO 2768-mH

Interface

According to

MIL-STD-348A/326

Electrical Data

Impedance	50 Ω
Frequency	DC to 12 GHz
VSWR (Return Loss)	≤ 1.2 (≥ 20.8 dB)
Insertion Loss	≤ 0.1 x √F (GHz) dB
Insulation Resistance	≥ 5 GΩ
Center Contact Resistance	≤ 6.0 mΩ
Outer Contact Resistance	≤ 2.0 mΩ
Test Voltage	500 V rms
Working Voltage (at sea level)	335 V rms
Contact Current	1.2 A DC max

Material And Plating

Piece Parts	Material	Plating
Centre contact	Beryllium Cooper	Gold plating, 3 µinch (Non-magnetic nickel-phosphorus underplating, 80 µinch)
Body	Stainless Steel	Passivated
Insulator	PTFE	

SMP Plug (Male) Smooth Bore Connector Solder Attachment 4 Hole Flange Mount
Stub Terminal, 8.64mm (.340 inch) Hole Spacing DC-12GHz VSWR1.2

SMP1GFA50SB-1776A / 9X

Mechanical Data

Coupling mechanisms	Snap-lock
Mating Cycles	≥ 1000
Center Contact Captivation	≥ 7 N
Engagement force	9 N max
Disengagement force	2.2 N min

smooth bore

smooth bore

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