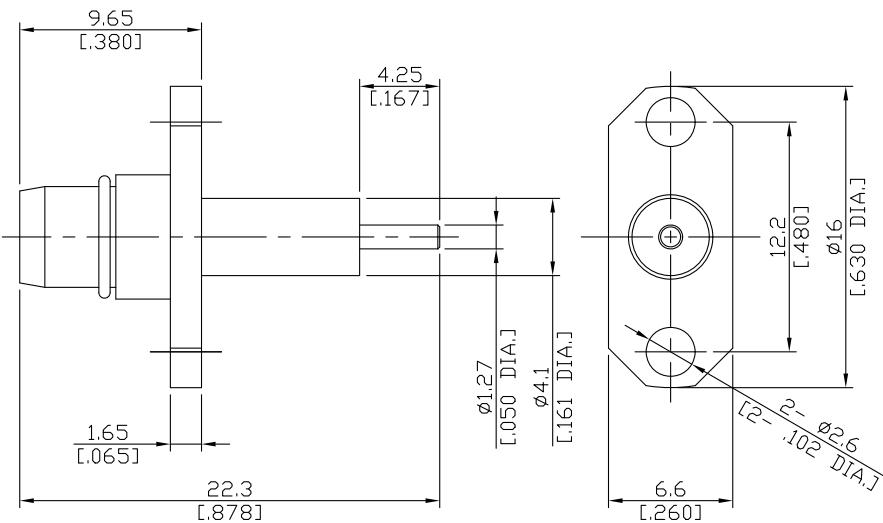
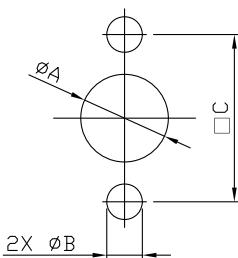


BMA Plug (Male) Connector Solder Attachment 2 Hole Flange Mount
 Stub Terminal, 12.2mm (.480 inch) Hole Spacing DC-18GHz VSWR1.30

BMA1GTA50-2230A / 1X


Mounting Dimensions



	mm		inch	
	Max.	Min.	Max.	Min.
A	4.3	4.2	.169	.165
B	2.8	2.7	.110	.106
C	12.27	12.17	.483	.479

All dimensions are in mm [inch]

Tolerances according to DIN ISO 2768-mH

Interface

According to

MIL-STD-348B/321; IEC 60169-33

Electrical Data

Impedance 50 Ω

Frequency DC to 18 GHz

VSWR (Return Loss) ≤ 1.30 (≥ 17.69 dB)

Insertion Loss ≤ 0.07 × √F (GHz) dB

Insulation Resistance ≥ 5 × 10³ MΩ

Center Contact Resistance ≤ 2 mΩ

Outer Contact Resistance ≤ 2 mΩ

Test Voltage 1000 V rms

Working voltage 400 V rms

RF-leakage ≥ 85 dB up to 1 GHz

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

Material And Plating

Piece Parts	Material	Plating
Centre contact	Brass	Gold plating (Non-magnetic nickel-phosphorus underplating)
Body	Stainless Steel	Passivated
Insulator	PTFE	
Gasket	Silicone Rubber	



**BMA Plug (Male) Connector Solder Attachment 2 Hole Flange Mount
Stub Terminal, 12.2mm (.480 inch) Hole Spacing DC-18GHz VSWR1.30**

BMA1GTA50-2230A / 1X

Mechanical Data

Coupling Mechanisms	Slide-on
Mating Cycles	≥ 1000
Center Contact Captivation	≥ 27 N
Engagement Force	≤ 13.5 N
Disengagement Force	≥ 2 N
Centre Contact	Soldered
Terminal Type	Stub
Captivated Type	Mechanical

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