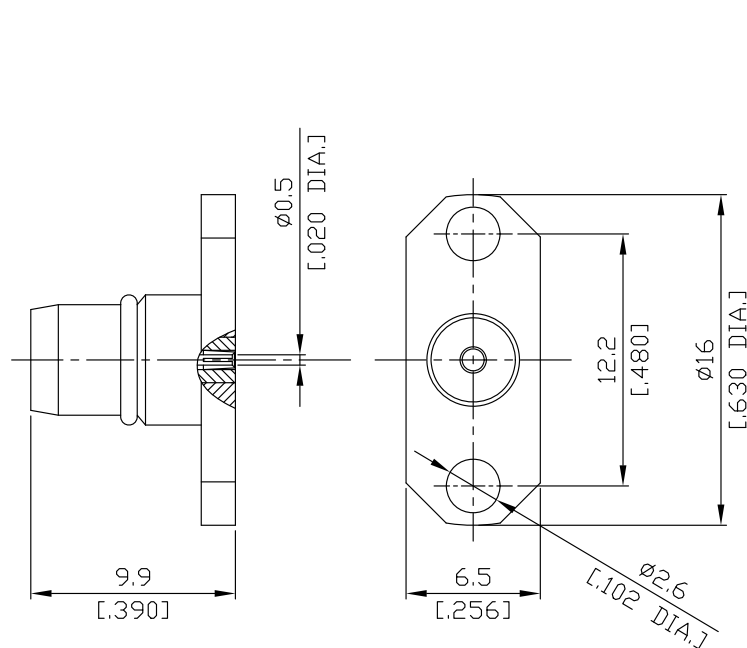
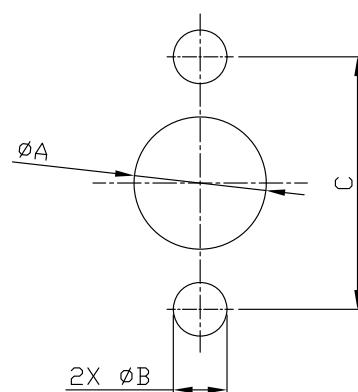


BMA Plug (Male) Slide-On Field Replaceable Connector 2 Hole Flange Mount
0.51 mm [.020 inch] Accept Pin DC-22GHz, VSWR1.2

BMA1BT50-0020A / 9X



Mounting Dimension



	mm		inch	
	Max.	Min.	Max.	Min.
A	2.24	2.16	.088	.085
B	2.65	2.6	.104	.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 61169-33; MIL-STD-348B/321

Electrical Data

Impedance	50 Ω
Frequency	DC to 22 GHz
VSWR (Return Loss)	≤ 1.2 (≥ 20.83 dB)
Insertion Loss	$\leq 0.07 \times \sqrt{F}$ (GHz) dB
Insulation Resistance	≥ 5 G Ω
Center Contact Resistance	≤ 5.0 m Ω
Outer Contact Resistance	≤ 2.5 m Ω
Test Voltage (at sea level)	1000 V rms
Working Voltage (at sea level)	400 V rms
RF-leakage	≥ 85 dB up to 1 GHz

Material And Plating

Piece Parts	Material	Plating
Centre contact	Beryllium Copper	Gold plating, 3 μ inch (Non-magnetic nickel-phosphorus underplating, 100 μ inch)
Body	Stainless Steel	Passivated
Insulator	PTFE	
Gasket	Silicone Rubber	

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Mechanical Data

Coupling Mechanisms	Slide-On
Mating Cycles	≥ 1000
Center Contact Captivation	≥ 27 N
Engagement Force	≤ 13.5 N
Disengagement Force	≥ 2.0 N

Environmental Data

Temperature Range	-65°C to +125°C
Thermal Shock	MIL-STD-202, Meth. 107, Cond. B
Corrosion Resistance	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