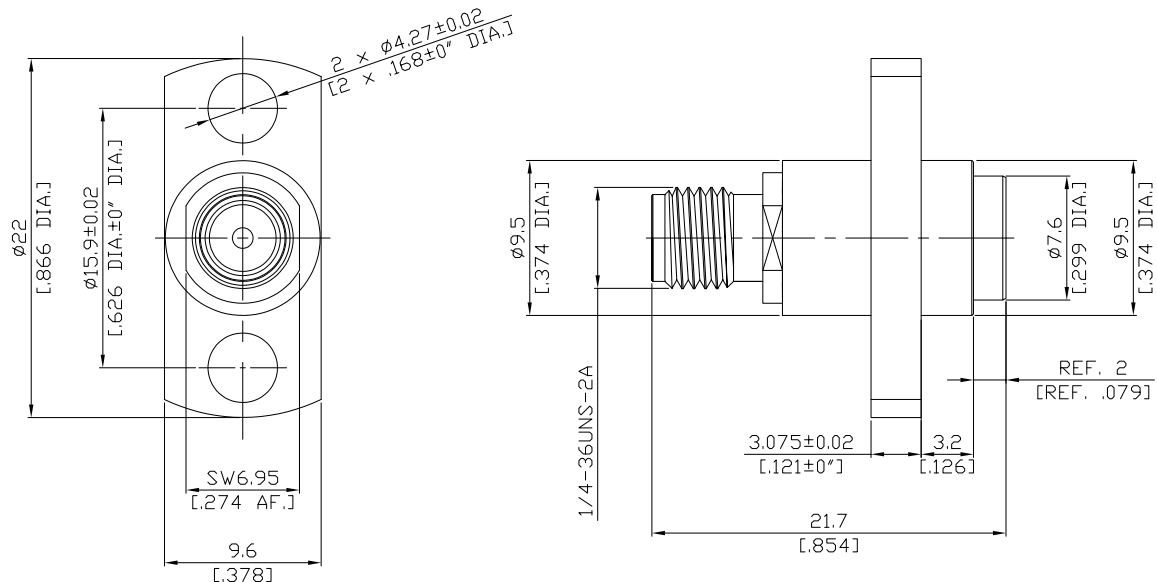


BMA Jack (Female) to SMA Jack (Female)
2-Hole Panel Adapter Slide-On Adapter, DC-18 GHz, VSWR ≤ 1.25

AD-A2BA25A-PT / 91X-91



All dimensions are in mm [inch]

Tolerances according to DIN ISO 2768-mH

Interface

SMA according to IEC 60169-15; MIL-STD-348B/310
BMA according to IEC 61169-33; MIL-STD-348A/321

Electrical Data

Impedance 50 Ω
Frequency DC to 18 GHz
VSWR (Return Loss) ≤ 1.25 (≥ 19.08 dB)
Insertion loss ≤ 0.05 dB × √F (GHz) dB
Insulation Resistance ≥ 5 GΩ
Center Contact Resistance ≤ 4 mΩ
Outer Contact Resistance ≤ 2 mΩ
Withstanding Voltage (at sea level; min.) 1000 V rms
RF High Potential (at sea level; min. @ 5 MHz) 670 V rms
RF Leakage (min.) -60 dB @ 2.3 GHz

Material And Plating

Piece Parts (SMA)	Material	Plating
Centre contact	Beryllium Copper	Gold plating, 3 μinch (Non-magnetic nickel-phosphorus underplating, 80 μinch)
Body	Brass	Gold plating, 3 μinch (Non-magnetic nickel-phosphorus underplating, 80 μinch)
Insulator	PTFE	
Outer contact	Stainless Steel	Passivated
Piece Parts (BMA)	Material	Plating
Centre contact	Beryllium Copper	Gold plating, 3 μinch (Non-magnetic nickel-phosphorus underplating, 80 μinch)
Body	Brass	Gold plating, 3 μinch (Non-magnetic nickel-phosphorus underplating, 80 μinch)
Insulator	PTFE	
Spring	Stainless Steel	Passivated

The facts and figures herein are carefully compiled to the best of our knowledge, but they are intended for general informational purposes only. In the effort to improve our products, we reserve the right to make changes judged to be necessary.

Rev.:
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Page
1/2

BMA Jack (Female) to SMA Jack (Female)
2-Hole Panel Adapter Slide-On Adapter, DC-18 GHz, VSWR ≤ 1.25

AD-A2BA25A-PT / 91X-91

Mechanical Data

	SMA side	BMA side
Coupling mechanisms	Screw-lock	Slide-On
Mating cycles	≥ 500	≥ 500
Center Contact Captivation: axial	≥ 6 lbs	≥ 6 lbs
Coupling test torque	1.70 Nm	N/A
Recommended torque	0.70 Nm to 1.10 Nm	N/A

Environmental Data

Temperature Range	-65°C to +165°C
Thermal Shock	MIL-STD-202, Meth. 107, Cond. C
Shock	MIL-STD-202, Meth. 213, Cond. I
Corrosion	MIL-STD-202, Meth. 101, Cond. B (salt spray: 5%)
Vibration	MIL-STD-202, Meth. 204, Cond. D
Moisture Resistance	MIL-STD-202, Meth. 106
RoHS	compliant

Packing

Single or 100