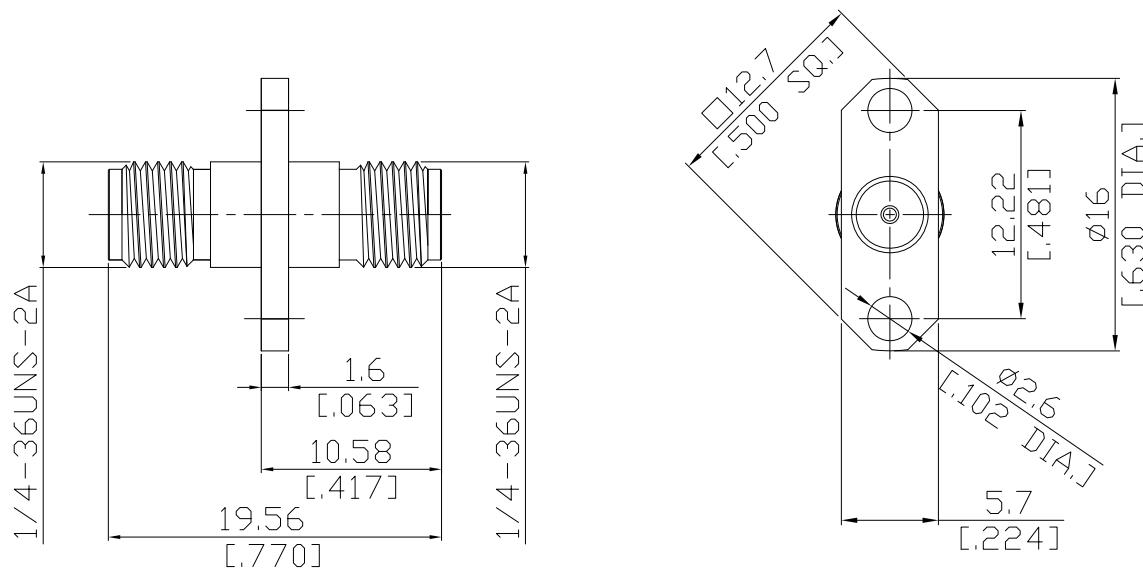


SMA jack (female)/SMA jack (female)
Panel 2 Hole Flange Mount Adapte DC-18 GHz, VSWR \leq 1.15

AD-A2A25A-PT / 91-91



All dimensions are in mm [inch]

Tolerances according to DIN ISO 2768-mH

Interface

according to

IEC 60169-15; MIL-STD-348B/310

Electrical Data

Impedance

50 Ω

Frequency

DC to 18 GHz

VSWR (Return Loss)

$\leq 1.15 (> 23.1 \text{ dB})$

Insertion Loss

$\leq 0.04 \times \sqrt{F} \text{ (GHz)} \text{ dB}$

Insulation resistance

$\leq 3 \text{ m}\Omega$

Center contact resistance

$\leq 2 \text{ m}\Omega$

Outer contact resistance

1000 V rms

Test voltage

480 V rms

Power handling (at 20 °C, sea level, VSWR 1.0)

$\leq 200 \text{ W} @ 2 \text{ GHz}$

RF-leakage

$\geq 100 \text{ dB up to 1 GHz}$

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	
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Mechanical Data

Coupling mechanisms	Screw-lock
Mating cycles	\geq 500
Center contact captivation: axial	\geq 27 N
radial	\geq 3 Ncm
Coupling test torque	\leq 1.7 Nm
Recommended torque	0.8 Nm to 1.1 Nm

Environmental Data

Temperature Range	-65°C to +155°C
Thermal shock	MIL-STD-202, Method 107, Condition B
Corrosion	MIL-STD-202, Method 101, Condition B
Vibration	MIL-STD-202, Method 204, Condition D
Shock	MIL-STD-202, Method 213, Condition I
Moisture resistance	MIL-STD-202, Method 106
RoHS	compliant

Packing

Single or 100