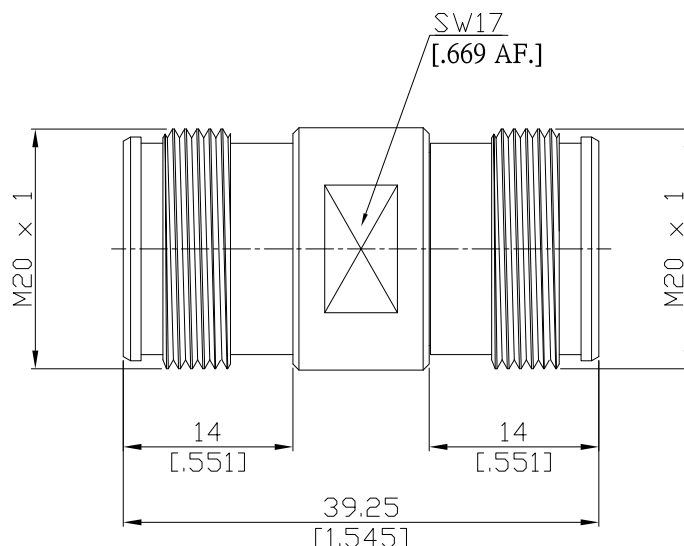


4.3-10 Jack (Female) to 4.3-10 Jack (Female) Adapter
DC-6GHz VSWR1.10

AD-43102431025B / H4-H4



All dimensions are in mm [inch]

Tolerances according to DIN ISO 2768-mH

Interface

According to IEC 61169-54

Electrical Data

Impedance	50 Ω
Frequency	DC to 6 GHz
VSWR (Return Loss)	≤ 1.10 (≥ 26.44 dB)
Insertion Loss	$\leq 0.05 \times \sqrt{f}$ (GHz) dB
Insulation Resistance	≥ 5 G Ω
Center Contact Resistance	≤ 1.0 m Ω
Outer Contact Resistance	≤ 1.0 m Ω
Test Voltage (at sea level)	2500 V rms
Working Voltage (at sea level)	500 V rms
RF Leakage	≥ 110 dB @ DC to 6 GHz
Power Handling	500 W @ 2.0 GHz
Intermodulation (3 rd order)	≥ 165 dBc (2 x 43 dBm)

Material And Plating

Piece Parts (4.3-10)	Material	Plating
Centre Contact	Phosphor Bronze	Gold plating, 3 μ inch (Non-magnetic nickel-phosphorus underplating, 80 μ inch)
Body	Brass	Copper-Tin-Zinc Alloy
Insulator	PTFE	
Piece Parts (4.3-10)	Material	Plating
Centre Contact	Phosphor Bronze	Gold plating, 3 μ inch (Non-magnetic nickel-phosphorus underplating, 80 μ inch)
Body	Brass	Copper-Tin-Zinc Alloy
Insulator	PTFE	

4.3-10 Jack (Female) to 4.3-10 Jack (Female) Adapter
DC-6GHz VSWR1.10

AD-43102431025B / H4-H4

Mechanical Data

Coupling mechanisms	Screw-lock
Mating Cycles	≥ 500
Center Contact Captivation: axial	≥ 30 N
Center Contact Retention Force	1.5 - 20 N
Outer Contact Retention Force	4 - 35 N
Recommended Torque	5 Nm
Weight	N/A

Environmental Data

Temperature Range	-60°C to +165°C
Thermal shock	IEC 60169-1, Sub-clause 16.4
Corrosion	ISO 21207 method B
Vibration	IEC 61169-1 9.3.3 and IEC 60068-2-64
Shock	IEC 61169-1 9.3.14
Degree of Protection (mated pair)	IEC 60529, IP68 1h / 25m
RoHS	compliant

Packing

Single or 100