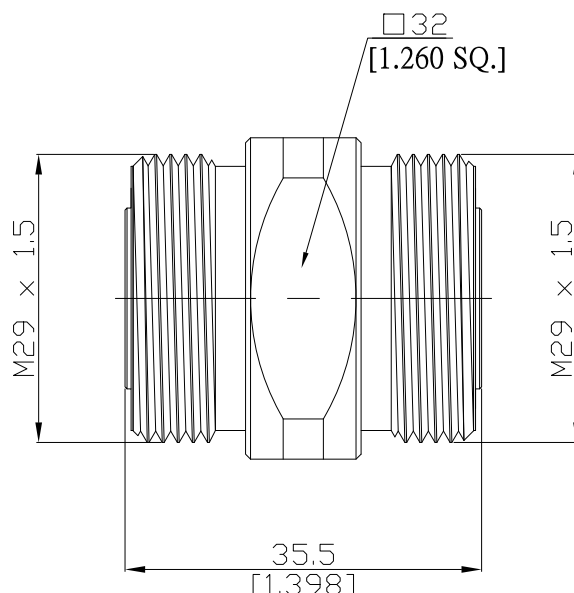


7/16 jack (female) / 7/16 jack (female) Adaptors Straight DC-7.5GHz VSWR1.15

AD-D2D25A / G4-G4



All dimensions are in mm [inch]

Tolerances according to DIN ISO 2768-mH

Interface

According to

IEC 61169-4

Electrical Data

Impedance	50 Ω	
Frequency	DC to 7.5 GHz	
VSWR (Return Loss)	≤ 1.15 (≥ 23.13 dB)	
Insertion Loss	≤ 0.05 × √F (GHz) dB	
Insulation Resistance	≥ 10 GΩ	
Center contact resistance	≤ 0.4 mΩ	
Outer contact resistance	≤ 1.5 mΩ	
Working Voltage (at sea level)	500 V rms	
Power handling	1800 W @ 1 GHz	800 W @ 4 GHz
RF Leakage	≥ 128 dB @ DC to 1 GHz	

Material And Plating

Piece Parts (7/16)	Material	Plating
Centre contact	Phosphor Bronze	Silver
Body	Brass	Copper-Tin-Zinc Alloy
Insulator	PTFE	
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Centre contact	Phosphor Bronze	Silver
Body	Brass	Copper-Tin-Zinc Alloy
Insulator	PTFE	

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AD-D2D25A / G4-G4

Mechanical Data

Coupling mechanisms	Screw-lock
Mating Cycles	≥ 500
Center Contact Captivation: axial	≥ 200 N
radial	≥ 2 Ncm
Coupling Test Torque	25 to 30 Nm
Recommended Torque	≤ 35 Nm

Environmental Data

Temperature Range	-40°C to +85°C
Rapid change of temperature	DIN EN 122190, Sub-clause 4.6.7
Corrosion resistance	DIN EN 122190, Sub-clause 4.6.10
Vibration	DIN EN 122190, Sub-clause 4.6.3
Climatic category	DIN EN 122190, Sub-clause 4.6.5 (55/155/56)
Damp heat	DIN EN 122190, Sub-clause 4.6.6
Degree of protection (mated pair)	MIL-STD-202, Method 106
RoHS	compliant

Packing

Single or 100