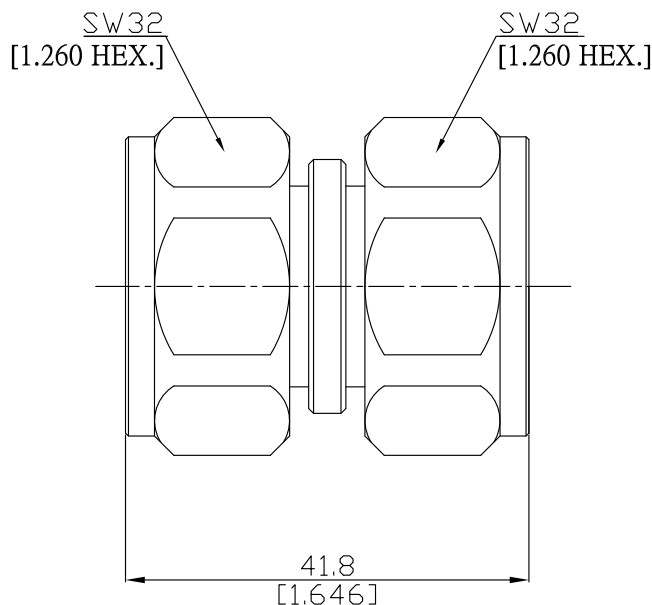


7/16 plug (male) / 7/16 plug (male) Adaptors Straight DC-7.5GHz VSWR1.15

AD-D1D15A / 144-144



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 x √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	Brass	Gold plating, 3 μinch (Non-magnetic nickel-phosphorus underplating, 80 μinch)
Body	Brass	Copper-Tin-Zinc Alloy
Insulator	PTFE	
Gasket	Silicone Rubber	
Coupling nut	Brass	Copper-Tin-Zinc Alloy
Piece Parts (7/16)	Material	Plating
Centre contact	Brass	Gold plating, 3 μinch (Non-magnetic nickel-phosphorus underplating, 80 μinch)
Body	Brass	Copper-Tin-Zinc Alloy
Insulator	PTFE	
Gasket	Silicone Rubber	
Coupling nut	Brass	Copper-Tin-Zinc Alloy

7/16 plug (male) / 7/16 plug (male) Adaptors Straight DC-7.5GHz VSWR1.15

AD-D1D15A / 144-144

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