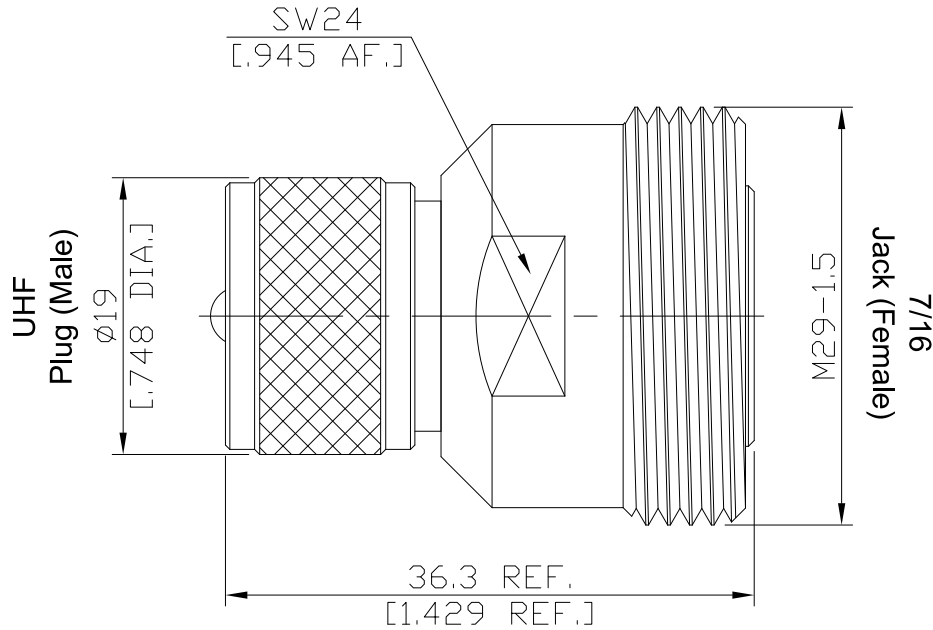


UHF Plug (Male) to 7/16 Jack (Female) Straight Adapter, DC-1 GHz

AD-U1D25A / H44-H4



All dimensions are in mm [inch]

Tolerances according to DIN ISO 2768-mH

Interface

UHF According to

IEC 60169-12

7/16 According to

IEC 61169-4; CECC 22190; DIN 47223; EN 122190

Electrical Data

Impedance

50 Ω

Frequency

DC to 1 GHz

VSWR (Return Loss)

-

Insertion loss

$\leq 0.2 \times \sqrt{f(\text{GHz})}$

Insulation resistance

$\geq 5 \text{ G}\Omega$

Center contact resistance

$\leq 5 \text{ m}\Omega$, UHF side

$\leq 0.4 \text{ m}\Omega$, N side

Outer contact resistance

$\leq 5 \text{ m}\Omega$, UHF side

$\leq 1.5 \text{ m}\Omega$, N side

Working voltage

500 V rms

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

250 W

Material And Plating

Piece Parts (UHF)

Piece Parts (UHF)	Material	Plating
Centre contact	Phosphor Bronze	Gold plating (Non-magnetic nickel-phosphorus underplating)

Body	Brass	Copper-Tin-Zinc Alloy
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Insulator	PTFE	
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Gasket	Silicone Rubber	
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Coupling nut	Brass	Copper-Tin-Zinc Alloy
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Piece Parts (7/16)

Piece Parts (7/16)	Material	Plating
Centre contact	Phosphor Bronze	Gold plating (Non-magnetic nickel-phosphorus underplating)

Body	Brass	Copper-Tin-Zinc Alloy
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Insulator	PTFE	
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Mechanical Data

	UHF side	7/16 side
Coupling mechanisms	Screw-lock	Screw-lock
Mating cycles	min. 500	min. 500
Coupling nut retention	-	≥ 1000 N
Center contact captivation: axial	≥ 30 N	≥ 30 N
Coupling test torque	-	max. 35 Nm
Recommended torque	-	25 to 30 Nm

Environmental Data

Temperature range	-65°C to +165°C
Thermal shock	MIL-STD-202 Method 107 ; IEC 60068-2-14
Corrosion	MIL-STD-202 Method 101 ; IEC 60068-2-11
Vibration	MIL-STD-202 Method 204 ; IEC 60068-2-6
Shock	MIL-STD-202, Method 213 ; IEC 60068-2-27
Moisture resistance	MIL-STD-202, Method 106 ; IEC 60068-2-78
RoHS	compliant

Packing

Single or 100