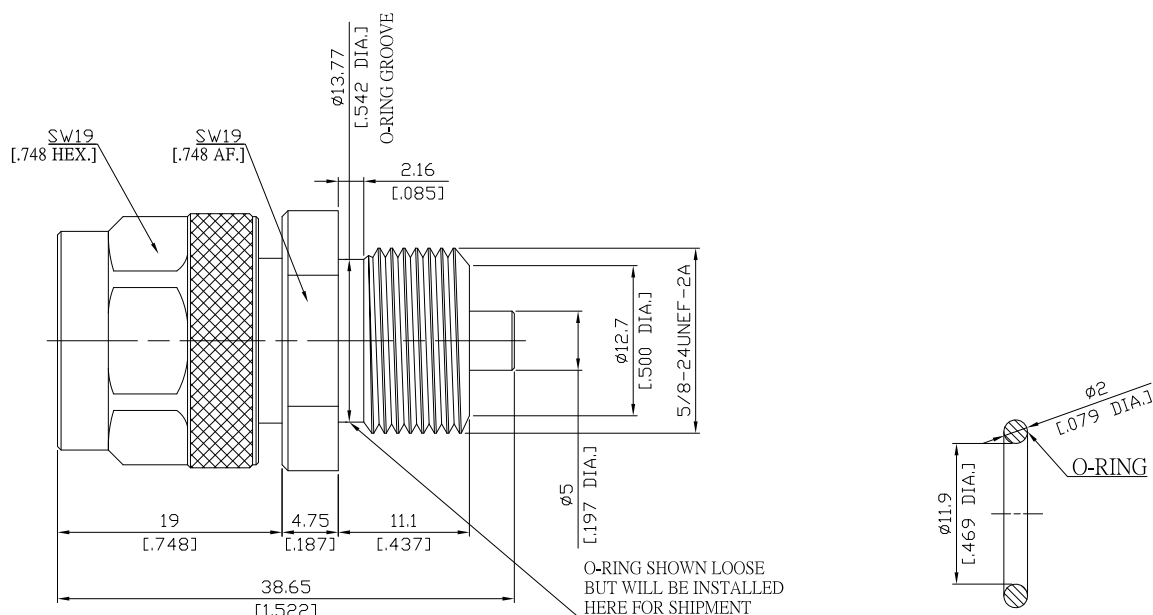


N plug (male) / MCX jack (female) Bulkhead adaptor
DC-6GHz VSWR ≤ 1.20

AD-N1M25A-BH / 944-91



All dimensions are in mm [inch]

Tolerances according to DIN ISO 2768-mH

Interface

N according to

IEC 61169-16; CECC 22210; MIL-C-39012; MIL-STD-348B/304

MCX according to

IEC 61169-36; CECC 22220

Electrical Data

Impedance

50 Ω

Frequency

DC to 6 GHz

VSWR (Return Loss)

≤ 1.20 (≥ 20.8 dB)

Insertion Loss

≤ 0.05 x √F (GHz) dB

Insulation resistance

≥ 1 GΩ

Center contact resistance

≤ 5.0 mΩ, MCX side

≤ 1 mΩ, N side

Outer contact resistance

≤ 2.5 mΩ, MCX side

≤ 0.25 mΩ, N side

Test voltage

750 V rms

Working voltage

335 V rms

Contact Current

1.5A DC max.

Material And Plating

Piece Parts (N)	Material	Plating
Centre contact	Beryllium Copper	Gold plating, 3 pinch (Non-magnetic nickel-phosphorus underplating, 80 pinch)
Body	Brass	Copper-Tin-Zinc Alloy
Insulator	PTFE	
Gasket	Silicone Rubber	
Coupling nut	Brass	Copper-Tin-Zinc Alloy
Piece Parts (MCX)	Material	Plating
Centre contact	Beryllium Copper	Gold plating, 3 pinch (Non-magnetic nickel-phosphorus underplating, 80 pinch)
Body	Brass	Gold plating(Nickel underplated)
Insulator	PTFE	

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Mechanical Data

	MCX side	N side
Coupling mechanisms	Snap-lock	Screw-lock
Mating cycles	≥ 500	min. 500
Coupling nut retention	N/A	≥ 450 N
Center contact captivation: axial	≥ 28 N	≥ 28 N
Engagement force	≤ 25 N	N/A
Disengagement force	8 N min. to 20 N max.	N/A
Coupling test torque	N/A	max. 1.7 Nm
Recommended torque	N/A	0.7 Nm to 1.1 Nm

Environmental Data

Temperature Range	-55°C to +155°C
Thermal shock	CECC 22 220, Chapter 4.6.7
Vibration	CECC 22 220, Chapter 4.6.3
Corrosion	CECC 22 220, Chapter 4.6.10
Moisture resistance	CECC 22 220, Chapter 4.6.6
RoHS	compliant

Packing

Single or 100

Related Document

Mounting Dimension	MD114
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