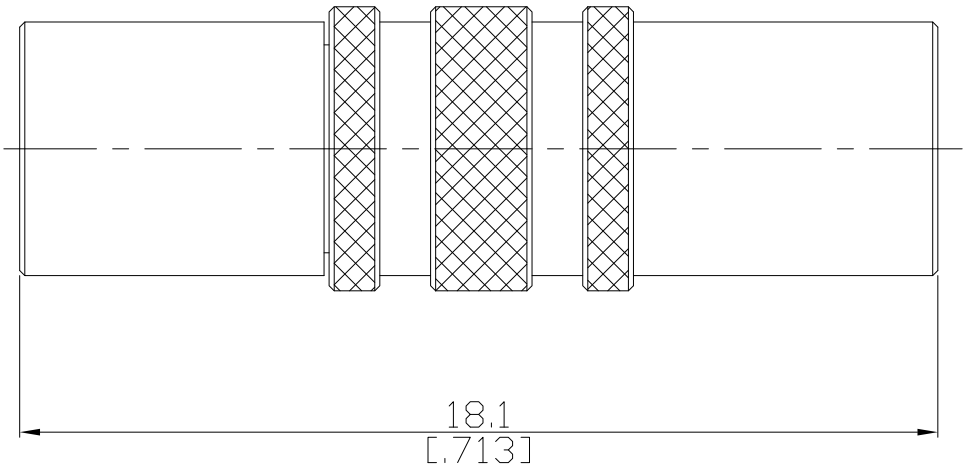
ROSNOL®
RF/Microwave Interconnect

Technical Data Sheet

MCX jack (female) / MCX jack (female) Adaptors Straight DC-6 GHz VSWR1.20

AD-M2M25A / 91-91



All dimensions are in mm [inch]
Tolerances according to DIN ISO 2768-mH

Interface

According to	IEC 61169-36

Electrical Data

Impedance	50 Ω
Frequency	DC to 6 GHz
VSWR (Return Loss)	≤ 1.20 (≥ 21 dB)
Insertion Loss	≤ 0.1 x √F (GHz) dB
Insulation resistance	≥ 1 GΩ
Center contact resistance	≥ 5 mΩ
Outer contact resistance	≥ 2.5 mΩ
Test voltage	750 V rms
Working voltage	335 V rms
RF leakage	≥ 70 dB @ DC to 1 GHz

Material And Plating

Piece Parts (MCX)	Material	Plating
Centre contact	Beryllium Copper	Gold plating, 3 μinch (Non-magnetic nickel-phosphorus underplating, 80 μinch)
Body	Brass	Gold plating, 3 μinch (Non-magnetic nickel-phosphorus underplating, 80 μinch)
Insulator	PTFE	
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Insulator	PTFE	

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Mechanical Data	
Coupling Mechanisms	Screw-lock
Mating Cycles	≥ 500
Center contact captivation	axial: ≥ 10 N
Engagement force	≤ 25 N
Disengagement force	8 N to 20 N
Environmental Data	
Temperature Range	-55°C to +125°C
Thermal shock	CECC 22220, Chapter 4.6.7
Damp heat	CECC 22220, Chapter 4.6.6
Corrosion resistance	CECC 22220, Chapter 4.6.10
Vibration	CECC 22220, Chapter 4.6.3
RoHS	compliant
Packing	
	Single or 100

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