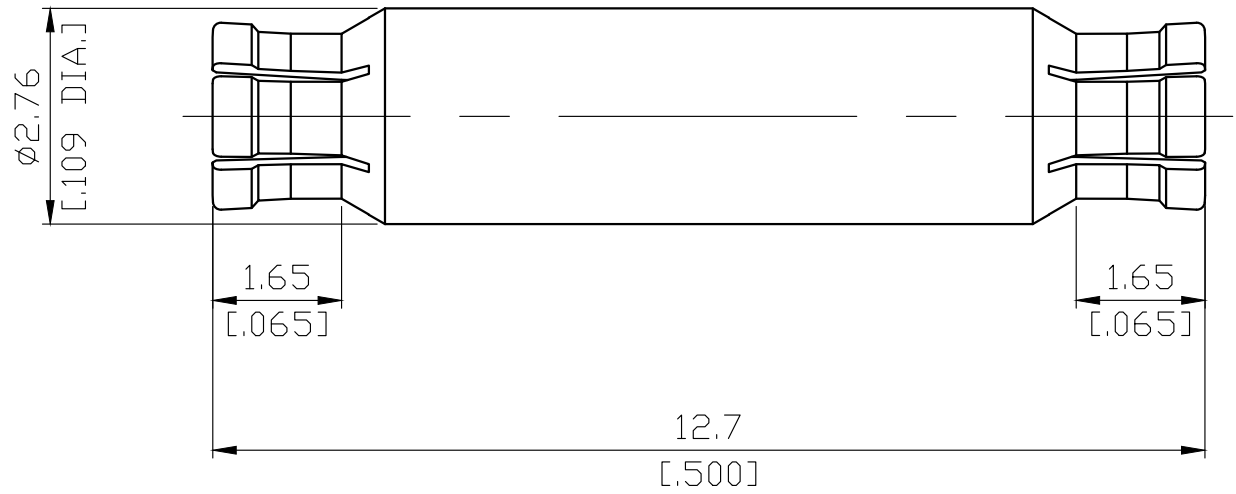
ROSNOL
RF/Microwave Interconnect

Technical Data Sheet

SMPM jack (female) / SMPM jack (female) Straight Adaptor DC- 65 GHz

AD-PM2PM25B / 99-99



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

Interface

according to	MIL-STD-348B/328

Electrical Data

Impedance	50 Ω
Frequency	DC to 65 GHz
VSWR (Return Loss)	≥ 26 dB, DC to 18 GHz
	≥ 15 dB, 18 to 26.5 GHz
	≥ 13 dB, 26.5 to 50 GHz
Insertion Loss	≤ 0.1 x √F (GHz) dB
Insulation resistance	≥ 5 GΩ
Center contact resistance	≤ 6 mΩ
Outer contact resistance	≤ 2 mΩ
Working voltage	325 V rms

Material And Plating

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

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N-CAGE Code: SFKK0 / ISO9001 Certified

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Mechanical Data		
Coupling mechanisms	Snap-lock	
Mating cycles	Full detent: ≥ 100	Smooth bore: ≥ 500
Center contact captivation: axial	≥ 7 N	
Engagement force	Full detent: 19 N typical	Smooth bore: 11 N typical
Disengagement force	Full detent: 29 N typical	Smooth bore: 7 N typical

Environmental Data	
Temperature Range	-55°C to +155°C
Thermal shock	MIL-STD-202, Method 107, Condition B
Vibration	MIL-STD-202, Method 204, Condition B
Shock	MIL-STD-202, Method 213, Condition A
Moisture resistance	MIL-STD-202, Method 106
RoHS	compliant

Packing	
	Singleor 100

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