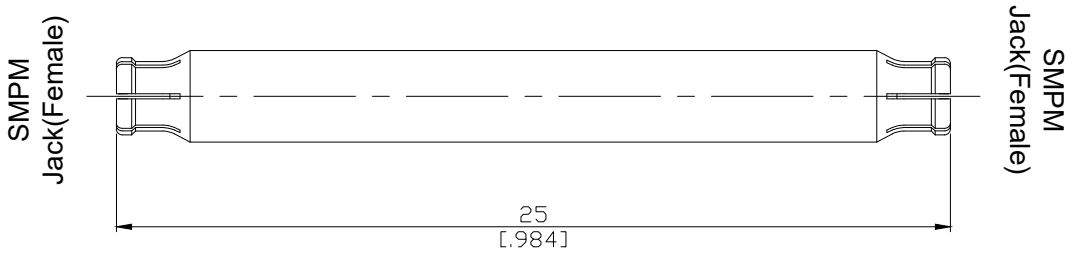
ROSNOL®
RF/Microwave Interconnect

Technical Data Sheet

Bullet Adapter SMPM Jack(female) to SMPM Jack(female)
DC- 28 GHz , VSWR 1.35

AD-PM2PM25A-BL25 / 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 28 GHz
VSWR (Return Loss)	≥ 23 dB, DC to 18 GHz ≥ 16.5 dB, 18 to 28GHz
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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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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