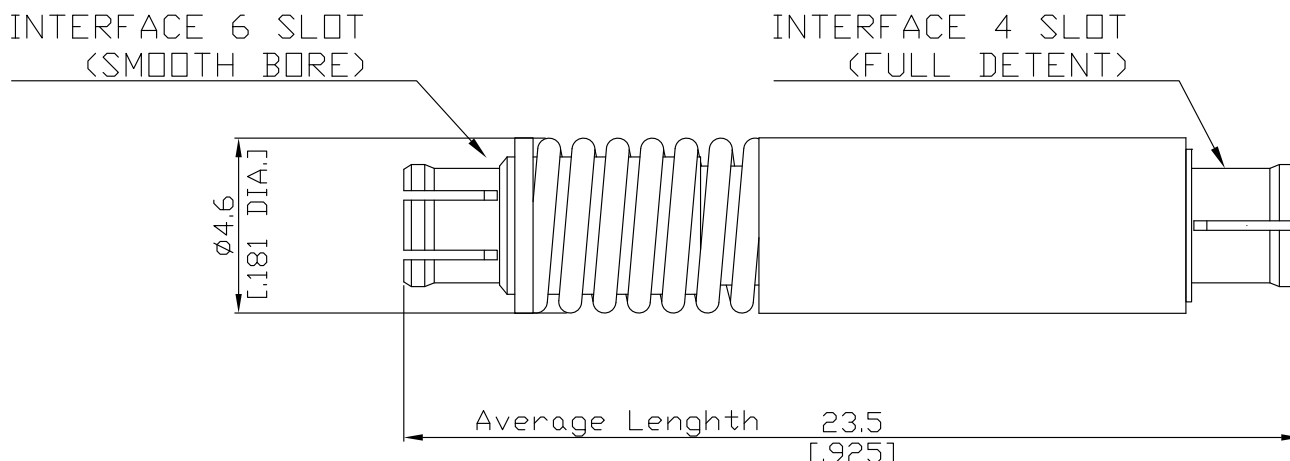


Straight Adapter SMP Jack(female) to SMP Jack(female)
SMP Blindmate Interconnect (Self Adjusting), DC- 18 GHz, VSWR ≤ 1.50

AD-P2P25C-BMI2350 / 99-99



All dimensions are in mm [inch]

Tolerances according to DIN ISO 2768-mH

Interface

according to

MIL-STD-348B/326

Electrical Data

Impedance	50 Ω
Frequency	DC to 18 GHz
VSWR (Return Loss)	≤1.50 (≥ 13.98 dB)
Insertion Loss	≤ 0.12 x √F (GHz) dB
Insulation resistance	≥ 5 GΩ
Center contact resistance	≤ 6 mΩ
Outer contact resistance	≤ 2 mΩ
Voltage Rating	350 V rms
Dielectric withstanding voltage	500 V rms

Material And Plating

Piece Parts (SMP)	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)
Sleeve	Stainless Steel	Passivated
Insulator	PTFE	
Spring	Stainless Steel	Passivated

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Mechanical Data

Coupling mechanisms	Snap-lock		
Mating cycles	Full detent: ≥ 100	Smooth bore: ≥ 500	Smooth bore, Catchers mitt: ≥ 1000
Center contact captivation: axial	≥ 7 N		
Engagement force	Full detent: ≤ 68 N	Limited detent: ≤ 45 N	Smooth bore, Catchers mitt: ≤ 9 N
Disengagement force	Full detent: ≥ 22 N	Limited detent: ≥ 9 N	Smooth bore, Catchers mitt: ≥ 2.2 N

Environmental Data

Temperature Range	-65°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

Single or 100