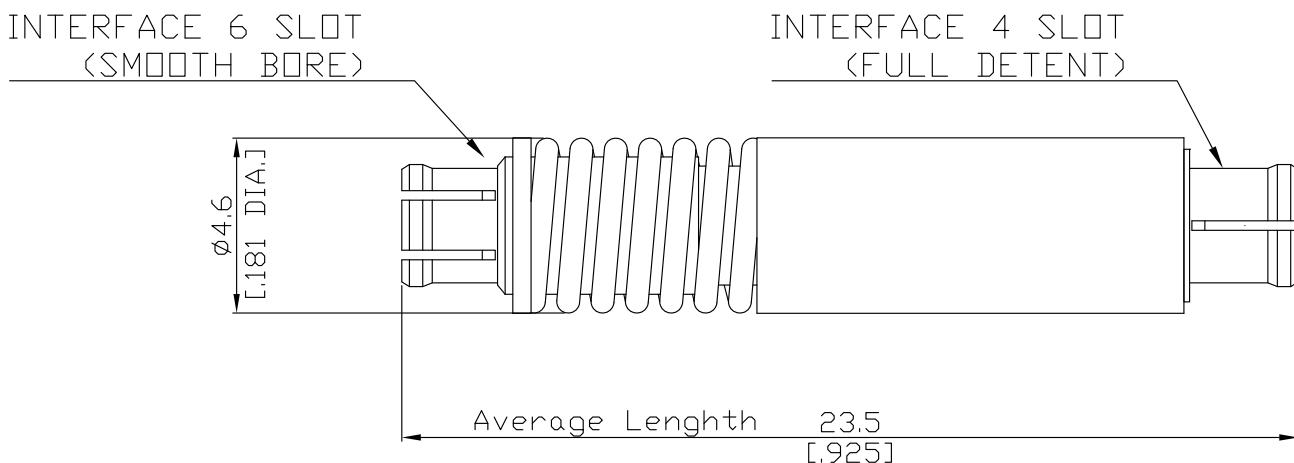


**Straight Adapter SMP Jack(female) to SMP Jack(female)  
SMP Blindmate Interconnect (Self Adjusting), DC- 18 GHz, VSWR ≤ 1.50**

**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 ( $\geq 13.98$  dB)

Insertion Loss

≤ 0.12 x  $\sqrt{f}$  (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 pinch

(Non-magnetic nickel-phosphorus underplating, 80 pinch)

Body

Beryllium Copper

Gold plating, 3 pinch

(Non-magnetic nickel-phosphorus underplating, 80 pinch)

Sleeve

Stainless Steel

Passivated

Insulator

PTFE

Passivated

Spring

Stainless Steel

Passivated

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**Mechanical Data**

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

**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