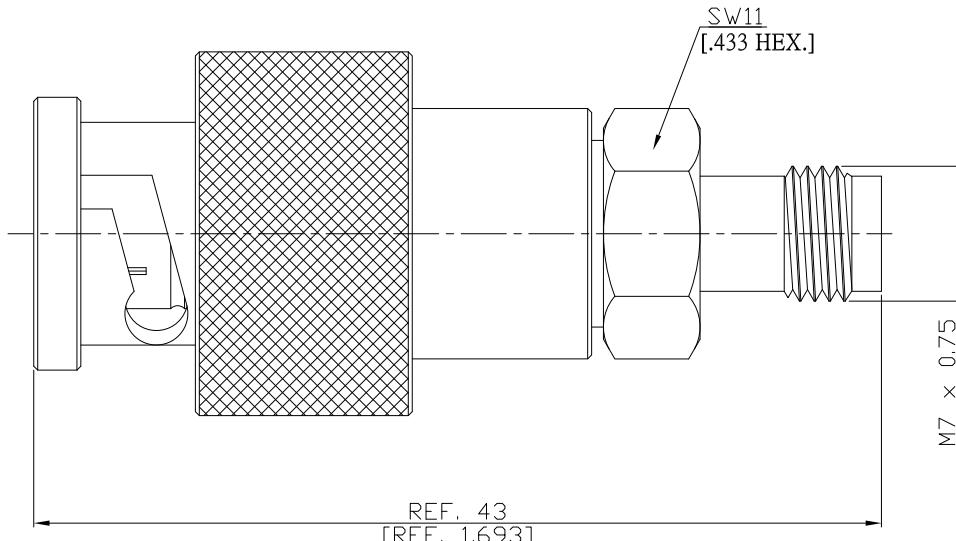


Precision BNC Plug (Male) to 1.85mm Jack (Female)
Straight Adaptor DC-18 GHz VSWR \leq 1.20

AD-PCB1V25A / 9XX-9X



All dimensions are in mm [inch]

Tolerances according to DIN ISO 2768-mH

Interface

Precision BNC according to	N/A
1.85mm according to	IEEE STD 287

Electrical Data

Impedance	50 Ω
Frequency	DC to 18 GHz
VSWR (Return Loss)	\leq 1.20 (\geq 20.83 dB)
Insertion Loss	$\leq 0.05 \times \sqrt{f}$ (GHz) dB
Insulation resistance	≥ 5 G Ω
Center contact resistance	≤ 1.5 m Ω , Precision BNC side;
Outer contact resistance	≤ 4.0 m Ω , 1.85mm side ≤ 1 m Ω , Precision BNC side;
	≤ 2.5 m Ω , 1.85mm side

Material And Plating

Piece Parts (Precision BNC)	Material	Plating
Centre contact	Beryllium Copper	Gold plating, 3 μ inch (Non-magnetic nickel-phosphorus underplating, 80 μ inch)
Body	Stainless Steel	Passivated
Insulator	PS	
Gasket	Silicone Rubber	
Coupling nut	Stainless Steel	Passivated
Piece Parts (1.85mm)	Material	Plating
Centre contact	Beryllium Copper	Gold plating, 3 μ inch (Non-magnetic nickel-phosphorus underplating, 80 μ inch)
Body	Stainless Steel	Passivated
Insulator	PS	

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Mechanical Data

Coupling mechanisms	Precision BNC side	1.85mm side
Mating cycles	Screw-lock	Screw-lock
Center contact captivation: axial	min. 500	min. 500
Coupling test torque	≥ 15 N	≥ 20 N
Recommended torque	N/A	1.65 Nm
	N/A	0.80 Nm to 1.10 Nm

Environmental Data

Temperature Range	-60°C to +100°C
RoHS	compliant

Packing

Single or 100