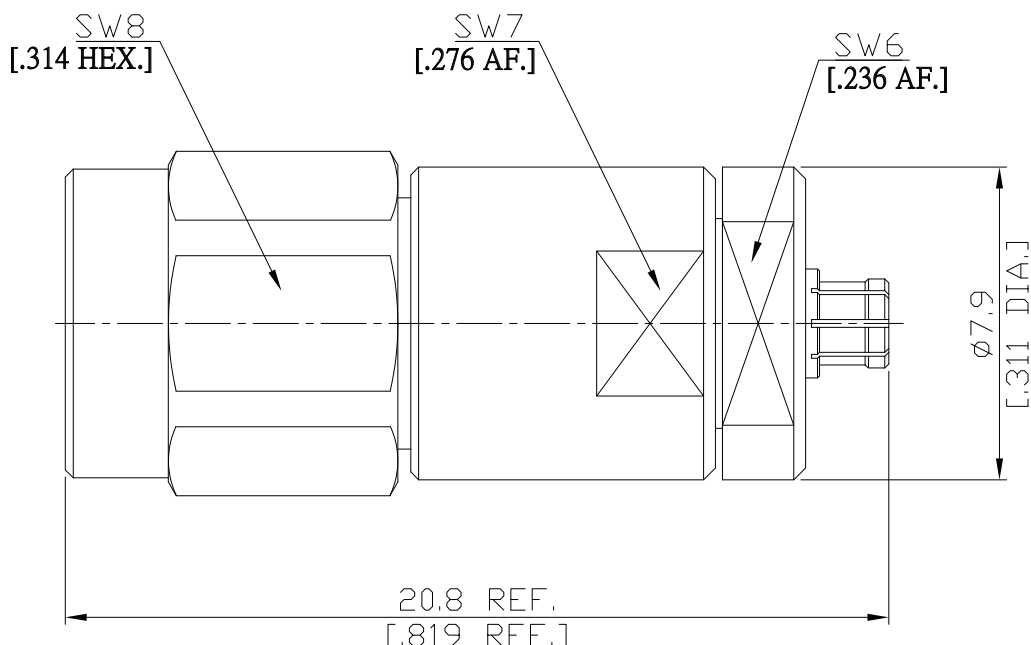


2.92mm Plug (Male) to SMPM jack (female) Adapter
DC-40 GHz VSWR1.35

AD-K1PM25A / 9XX-99



All dimensions are in mm [inch]

Tolerances according to DIN ISO 2768-mH

Interface

2.92mm according to
SMPM according to

IEC 61169-35
MIL-STD-348B/328

Electrical Data

Impedance	50 Ω	
Frequency	DC to 40 GHz	
VSWR (Return Loss)	≤ 1.35 (≥ 16.54 dB)	
Insertion Loss	≤ 0.05 x √F (GHz) dB	
Insulation Resistance	≥ 5 GΩ	
Center Contact Resistance	≤ 3.0 mΩ, SMA Side	≤ 6.0 mΩ, SMPM Side
Outer Contact Resistance	≤ 2.0 mΩ, SMA Side	≤ 2.0 mΩ, SMPM Side
Test Voltage (at sea level)	750 V rms	
Working Voltage (at sea level)	250 V rms	

Material And Plating

Piece Parts (2.92mm)	Material	Plating
Centre contact	Beryllium Copper	Gold plating, 3 μinch (Non-magnetic nickel-phosphorus underplating, 80 μinch)
Body	Stainless Steel	Passivated
Insulator	PEI	
Coupling nut	Stainless Steel	Passivated
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	PEI	

2.92mm Plug (Male) to SMPM jack (female) Adapter
DC-40 GHz VSWR1.30

AD-K1PM25A / 9XX-99

Mechanical Data

Coupling mechanisms	2.92mm side Screw-lock	SMPM side Snap-lock
Mating Cycles	≥ 500	Full detent: ≥ 100 Limited detent: ≥ 500 Smooth bore, Catchers mitt: ≥ 1000
Center contact captivation	≥ 20 N	Axial: ≥ 7 N
Coupling test torque	1.70 Nm	N/A
Recommended Torque	0.80 Nm to 1.10 Nm	N/A
Engagement force	N/A	Full detent: 19 N Smooth bore: 11 N
Disengagement force	N/A	Full detent: 29 N Smooth bore: 7 N

Environmental Data

Temperature range	-55°C to +165°C
RoHS	compliant

Packing

Single or 100