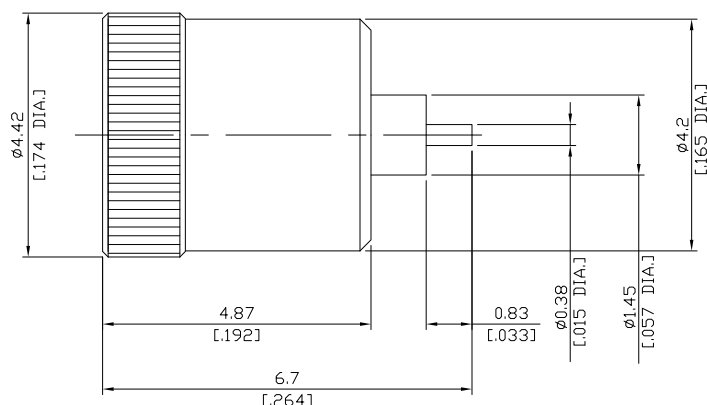




SMP Plug Straight Full Detent Receptacle Jack Round Post Thread-in, DC-40 GHz

SMP1FA50-LD0670A / 11



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 40 GHz
VSWR (Return Loss)	≤ 1.5 (≥ 14 dB)
Insertion Loss	≤ 0.1 x √F (GHz) dB
Insulation resistance	≥ 5 GΩ
Center contact resistance	≤ 6 mΩ
Outer contact resistance	≤ 2 mΩ
Test voltage	500 V rms
Working voltage	335 V rms

Material And Plating

Piece Parts	Material	Plating
Centre contact	Brass	Gold plating, 3 pinch (Non-magnetic nickel-phosphorus underplating, 80 pinch)
Body	Brass	Gold plating, 3 pinch (Non-magnetic nickel-phosphorus underplating, 80 pinch)
Insulator	PTFE	

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SMP1FA50-LD0670A / 11

Mechanical Data

Coupling mechanisms	Snap-lock
Mating Cycles	Full Detent ≥ 100
Center contact captivation: axial	≥ 7 N
Engagement force	Full detent: ≤ 68 N
Disengagement force	Full detent: ≥ 22 N

Environmental Data

Temperature Range	-65°C to +165°C
Thermal shock	MIL-STD-202, Meth. 107, Cond. B
Vibration	MIL-STD-202, Meth. 204, Cond. B
Shock	MIL-STD-202, Meth. 213, Cond. A
Moisture Resistance	MIL-STD-202, Method 106
RoHS	compliant

Packing

Single or 100