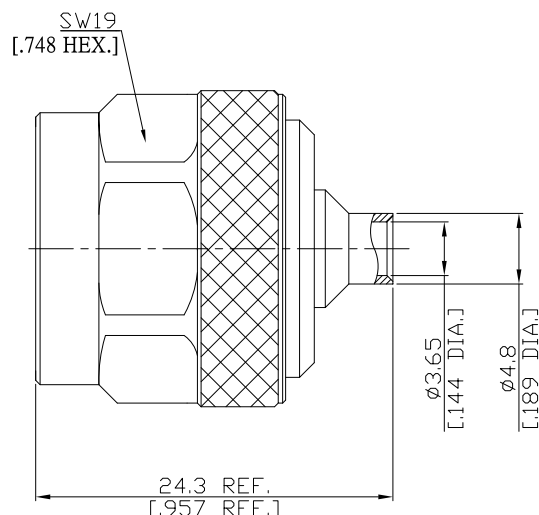


N Male Connector Solder Attachment for .141 Cable, DC-18 GHz VSWR 1.2

PCN1E50-0141A / 933



All dimensions are in mm [inch]

Tolerances according to DIN ISO 2768-mH

Interface

According to

IEC 60169-16; MIL-STD-348/304; CECC 22 210

Electrical Data

Impedance	50 Ω	
Frequency	DC to 18 GHz	
VSWR (Return Loss)	≤ 1.2 (≥ 20.83 dB)	
Insertion Loss	$\leq 0.03 \times \sqrt{f}$ (GHz) dB	
Insulation Resistance	$\geq 5 \times 10^3$ M Ω	
Center Contact Resistance	≤ 1 m Ω	
Outer Contact Resistance	≤ 0.25 m Ω	
Working Voltage (at sea level)	335 V rms	
Power handling	1000 W @ 1 GHz	700 W @ 2 GHz
RF-leakage	≥ 90 dB up to 1 GHz	

-VSWR in application depends decisive on cable assembly process-

Material And Plating

Connector parts	Material	Plating
Centre contact	Beryllium Copper	Gold plating (Non-magnetic nickel-phosphorus underplating)
Body	Brass	Nickel
Insulator	PTFE	
Gasket	Silicone Rubber	
Coupling nut	Brass	Nickel

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Mechanical Data

Coupling mechanisms	Screw-lock
Mating Cycles	min. 500
Centre Contact	Soldered
Cable entry	Soldered
Center Contact Captivation: axial	≥ 28 N
radial	≥ 3 Ncm
Coupling Test Torque	max. 1.7 Nm
Recommended Torque	0.7 Nm to 1.1 Nm

Environmental Data

Temperature Range	-65°C to +165°C
Thermal shock	MIL-STD-202, Meth. 107, Cond. B
Corrosion	MIL-STD-202, Meth. 101, Cond. B
Vibration	MIL-STD-202, Meth. 204, Cond. B
Shock	MIL-STD-202, Meth. 213, Cond. I
Moisture Resistance	MIL-STD-202, Meth. 106
RoHS	compliant

Suitable Cables

.141 RSF, .141 RSR, RG402, EF402

Packing

Single or 100