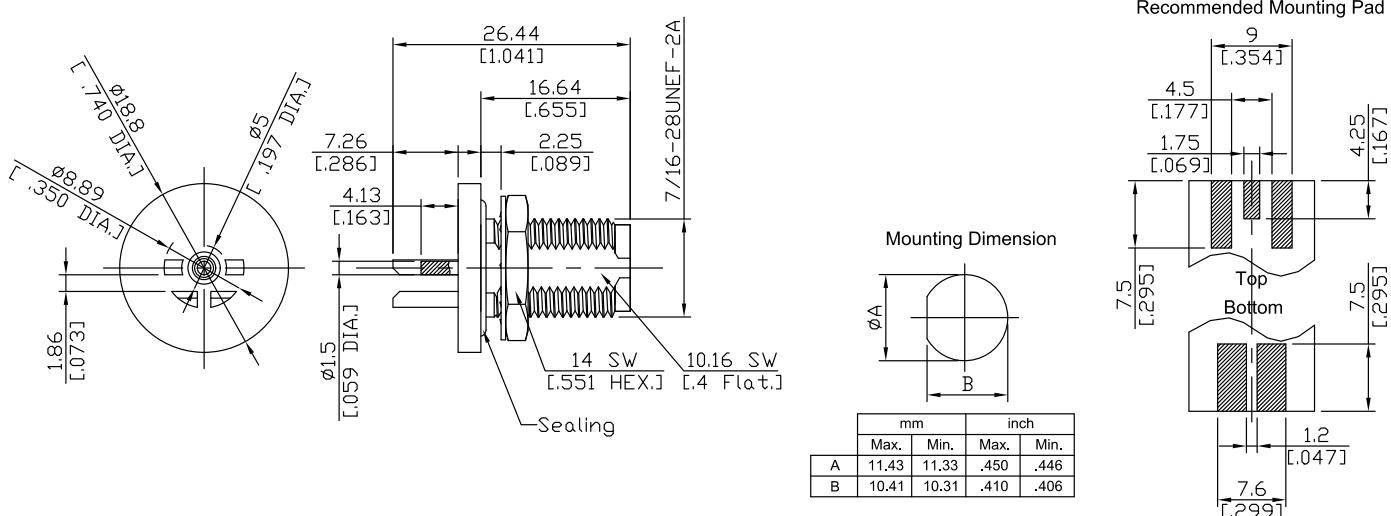


TNC Jack (Female) Bulkhead Mount Connector Solder Attachment End Launch
PCB, IP67 Rated DC-4GHz VSWR≤1.25

TNC2H5A50-0186A / 91



All dimensions are in mm [inch]

Tolerances according to DIN ISO 2768-mH

Interface

According to

IEC 61169-17; CECC 22200; MIL-PRF-39012; MIL-STD-348B/313; DIN EN 122200

Electrical Data

Impedance

50 Ω

Frequency

DC to 4 GHz

VSWR (Return Loss)

≤ 1.25 (≥ 19.08 dB)

Insertion Loss

≤ 0.1 x \sqrt{f} (GHz) dB

Insulation Resistance

≥ 5 GΩ

Center Contact Resistance

≤ 1.5 mΩ

Outer Contact Resistance

≤ 1 mΩ

Test Voltage

1500 V rms

Working Voltage (at sea level)

500 V rms

Power Handling (at 20 °C, sea level, VSWR 1.0)

≤ 80 W @ 2 GHz

-VSWR in application depends decisive on PCB layout or cavity design-

Material And Plating

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

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Mechanical Data

Coupling mechanisms	Screw-lock
Mating Cycles	≥ 500
Centre Contact	Soldered
Center Contact Captivation: axial	≥ 15 N
Board mounting type	End Launch
Coupling Test Torque	1.7 Nm max.
Recommended Torque	0.46 Nm to 0.69 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. G
Moisture Resistance	MIL-STD-202, Meth. 106
Degree of protection (mated pair)	IEC 60529, IP67 (assembled in housing)
RoHS	compliant

Packing

Single or 100