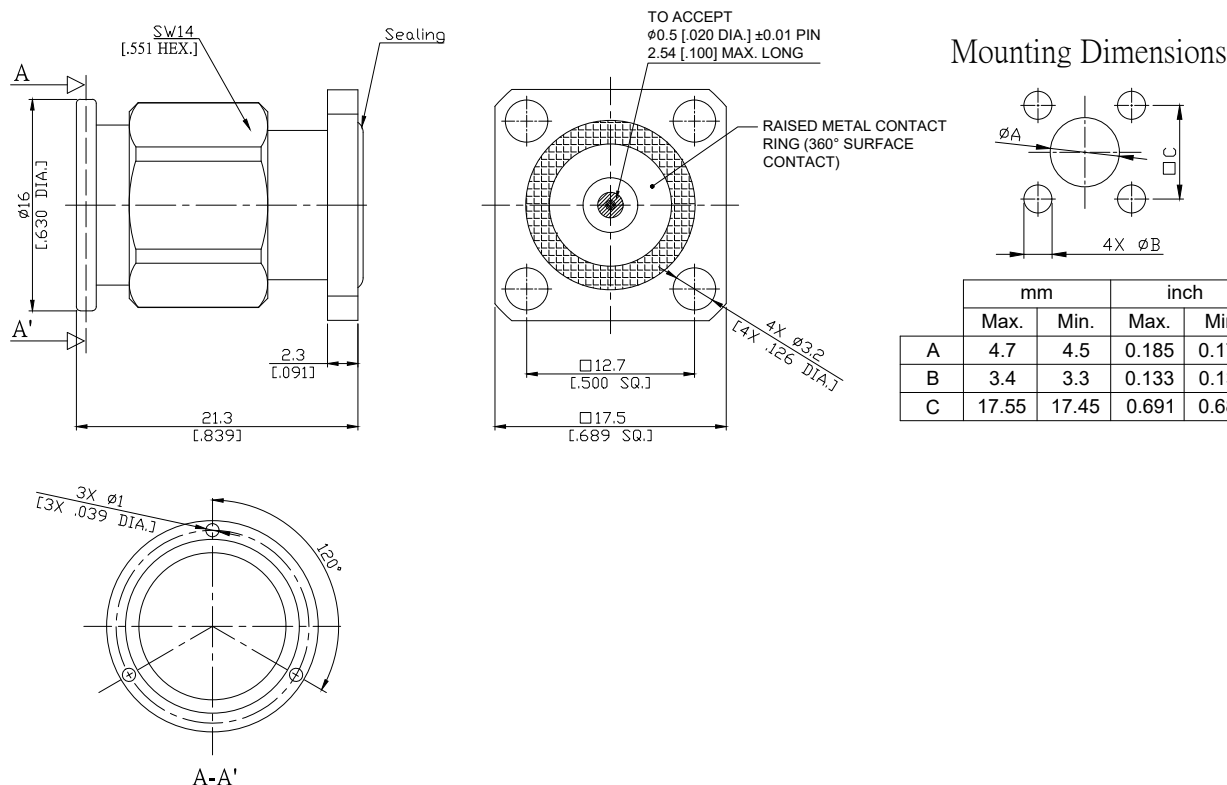


TNC Plug (Male) Field Replaceable Connector 4 Hole Flange Mount
0.5 mm [.020 inch] Pin, 17.5 mm [.689 inch] Flange Size DC-18GHz VSWR1.25

T1BF50-0020A / 944_IP67



All dimensions are in mm [inch]

Tolerances according to DIN ISO 2768-mH

Interface

According to

IEC 60169-26; MIL-STD-348B/313

Electrical Data

Impedance

50 Ω

Frequency

DC to 18 GHz

VSWR (Return loss)

≤ 1.25 (≥ 19.08 dB)

Insertion Loss

≤ 0.05 × √F (GHz) dB

Insulation Resistance

≥ 5 GΩ

Center Contact Resistance

≤ 1.5 mΩ

Outer Contact Resistance

≤ 0.2 mΩ

Test Voltage

1500 V rms

Working voltage

500 V rms

Power handling

≤ 80 W @ 2 GHz

Material And Plating

Piece Parts	Material	Plating
Centre contact	Beryllium Copper	Gold plating, 3 μinch (Non-magnetic nickel-phosphorus underplating, 80 μinch)
Body	Brass	Copper-Tin-Zinc Alloy
Insulator	PTFE	
Gasket	Silicone Rubber	
Coupling nut	Brass	Copper-Tin-Zinc Alloy

TNC Plug (Male) Field Replaceable Connector 4 Hole Flange Mount
0.5 mm [.020 inch] Pin, 17.5 mm [.689 inch] Flange Size DC-11GHz VSWR1.5

T1BF50-0020A / 944_IP67

Mechanical Data

Coupling mechanisms	Screw-lock
Mating Cycles	≥ 500
Captivated Type	Mechanical
Center Contact Captivation: axial	≥ 27 N
Coupling Test Torque	1.70 Nm
Recommended Torque	0.46 Nm to 0.69 Nm

Environmental Data

Temperature Range	-55°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
RoHS	compliant
IP Rating	IP6x- Dust tight - no partical ingress IPx7- Waterproof for 30 minutes up to 1 meter underwater.

Packing

Single or 100