

TNC CONNECTOR SPECIFICATIONS

Features :

- Similar to BNC connector but feature a threaded coupling interface
- Threaded coupling interface ensures connector will not decouple in vibration-intensive applications
- 50Ω and 75Ω, connectors are available
- Delrin or Teflon insulator is optional

Applications :

- Antennas
- Base Stations
- WLAN Networks
- Telecom
- RFID Radar
- Instrumentation

ELECTRICAL SPECIFICATIONS

Impedance	50 Ω / 75 Ω
Frequency Range	0 – 11 GHz / 0 – 3 GHz
Working Voltage	≥ 500 VRMS
Dielectric Withstanding Voltage	1500 VRMS at sea level
VSWR	Straight : 1.15 max Right Angle : 1.2 max
Contact Resistance	Center Contact : ≤ 1.5 mΩ Outer Contact : ≤ 0.2 mΩ
Insulation Resistance	5,000 MΩ min.
Insertion loss	0.2dB max.

MATERIAL SPECIFICATIONS

Body and outer contacts	Brass, nickel plated
Male contact	Brass, gold plated
Female contact	Phosphor Bronze, gold plated
Insulator	Delrin or PTFE
Crimp ferrule	Copper or brass, nickel plated

MECHANICAL SPECIFICATIONS

Coupling nut retention force	100 lbs
Center contact Retention	≥ 6 lbs
Engagement force	≤ 2 in-lbs
Disengagement force	≥ 2 in-lbs
Cable retention	20 - 70 lbs
Durability (matings)	500 cycles min.

ENVIRONMENTAL

Compliant with the requirements for RoHS Directive 2001/65/eu issued June 8, 2011	
Temperature Range	-65°C to +165°C