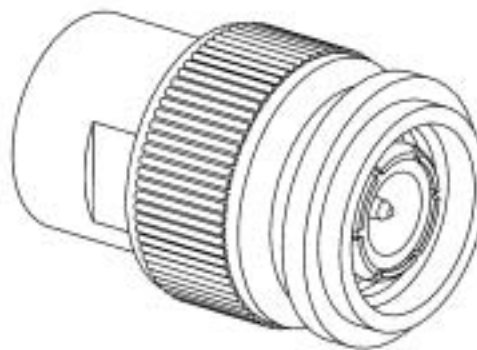


TNC Series

50 Ohms

Threaded Coupling



Features

- Miniature
- Weatherproof
- For applications to 11 GHz
- Improved Vibration Characteristics
- Resistance to RF leakage
- Plugs incorporate safety wiring holes in the coupling sleeve so that they may be wired in place in severe vibration conditions.
- Made to MIL-C-39012

Options

- Small and Medium Sized Cables
- Straight, Right-Angle, Long Crimp, Short Crimp, Flange Mount, Single Hole Mount, Printed Circuit Board, Cap and Chain, Termination, Cross and Tee types available
- Adapters available

Mating Data

- RG-/U Cables (See page 30-9)

Specifications

- MIL-C-39012
- MIL-G-45204
- MIL-STD-348
- QQ-S-365
- MIL-STD-202
- ZZ-R-765
- QQ-C-530
- QQ-B-626

Technical Data

Materials

- Body Parts Brass, QQ-B-626, 1/2 HD.
- Contacts
 - ▶ Male Brass QQ-B-626, 1/2 HD.
 - ▶ Female Beryllium copper QQ-C-530
- Insulators PTFE Fluorocarbon
- Gaskets Silicone Rubber ZZ-R-765

Plating

All parts plated to meet finish and corrosion requirements of MIL-C-39012

- Finish
 - ▶ Gold MIL-G-45204
 - ▶ Nickel IP23
 - ▶ Silver QQ-S-365
 - ▶ Tri-Alloy P20

Electrical Performance

- Impedance 50Ω nominal
- Frequency D.C. to 18 GHz
- Insulation Resistance 5,000 MΩ Minimum
- Voltage Rating 500 VRMS
- Dielectric Withstanding 1,500 VRMS at sea level
- R.F. Leakage -60 dB Minimum at 2 to 3 GHz

- R.F. High Potential Withstanding Voltage 1,000 VRMS at 5 to 7 MHz
- Voltage Standing Wave ratio (VSWR) 1.30 Maximum at 500 to 11,000 MHz
- Insertion Loss -18 dB at 9 GHz
- Contact Resistance
 - ▶ Outer contact 0.2 mΩ maximum
 - ▶ Center contact 1.5 mΩ maximum

Mechanical Performance

- Force to Engage and Disengage
 - ▶ Torque 2 1/2 inch-lbs Maximum
- Coupling Nut Retention Force 100 lbs minimum
- Coupling Proof Torque 30 inch-lbs Minimum
- Connector Durability 500 cycles minimum

Operating Environment

- Temperature range -65°C to +165°C
- Vibration MIL-STD-202, method 204, cond D. (20 G's)
- Shock MIL-STD-202, method 213, cond. I (100 G's)
- Thermal shock MIL-STD-202, method 107, cond. B -65°C to +115°C
- Corrosion (salt spray) . MIL-STD-202, method 101, cond. B
- Moisture Resistance MIL-STD-202, method 106

Packaging

- Single Bag
- Custom packaging available upon request

Customer Support Materials

Description	Order No.
Customer Product Drawings.....	By Part Number
Product Substitutions	Contact Technical Support

Description	Order No.
Product Samples	Upon Request
Test Data	Upon Request