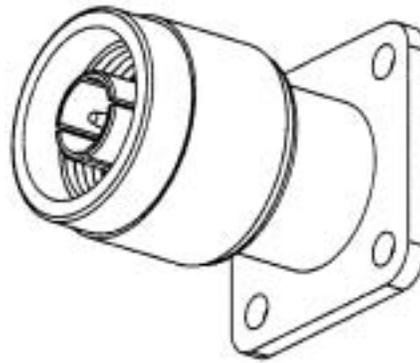


# N Series

50 Ohms

## Screw Thread Coupling



### Features

- Small
- 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 11 GHz
- Insulation Resistance ..... 5,000 MΩ Minimum
- Voltage Rating ..... 1000 VRMS
- Dielectric Withstanding ..... 2,500 VRMS at sea level
- R.F. Leakage ..... -90 dB Minimum at 2 to 3 GHz

- R.F. High Potential Withstanding Voltage ..... 1500 VRMS at 5 to 7.5 MHz
- Voltage Standing Wave ratio (VSWR) ..... 1.3 Maximum to 11 GHz
- Insertion Loss ..... 0.15 dB Maximum at 10 GHz
- Contact Resistance
  - ▶ Outer contact ..... 1.0 mΩ Maximum
  - ▶ Center contact ..... 6.0 mΩ Maximum

#### Mechanical Performance

- Force to Engage and Disengage
  - ▶ Torque ..... 3 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 Bags
- 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