



N Specifications

Materials

| Connector part | Material | Finish |
|----------------|---|----------------|
| Bodies | Brass | Nickel or Gold |
| Center Contact | Male: Brass | Gold |
| | Female: Brass, Phosphor Bronze, or Beryllium copper | |
| Insulator | Teflon | N/A |
| Crimp ferrule | Annealed Copper | Nickel or Gold |

Electrical

| Electrical Data | Detail | |
|---------------------------------|------------------------------------|--------|
| Impedance | 50 ohm | 75 ohm |
| Frequency range | 0~11GHz | 0~6GHz |
| Working voltage | 500 volts rms max. | |
| Insulation resistance | 5,000 megohms min. | |
| Dielectric withstanding voltage | 2,500 volts rms min. | |
| Contact resistance | Center contact: 3.0 milliohms max. | |
| | Outer contact: 2.0 milliohms max. | |
| VSWR: f (GHz) | Straight: 1.3 max. | |
| | Right angle: 1.5 max. | |
| Insertion loss | 0.3dB max. at 10GHz | |

Mechanical

| Mechanical Data | Detail |
|-----------------------|------------------------------------|
| Engagement force | 6 inch-pounds max. |
| Disengagement force | 6 inch-pounds max. |
| Connector durability | 500 cycles min. |
| Cable retention force | RG58, 141, 142, 223/U → 40lbs min. |
| | RG174, 188, 316/U → 20lbs min. |

Environmental

| Environmental Data | Detail |
|------------------------|---|
| Corrosion (Salt spray) | MIL-STD-202 METHOD 101 TEST CONDITION B |
| Thermal shock | MIL-STD-202 METHOD 107 TEST CONDITION B |
| Vibration | MIL-STD-202 METHOD 204 TEST CONDITION B |
| Mechanical shock | MIL-STD-202 METHOD 213 TEST CONDITION I |
| Temperature range | -65°C to 165°C (Teflon) |