

# TNC Series

## Electrical:

Impedance	50 ohm	75 ohm
Frequency Range	0 to 11.0 GHz	0 to 1.0 GHz
VSWR	1.3 max	
Voltage Rating	RG-58, 141, 142, 223: 500volts rms max RG-174, 188, 316: 335 volts rms max	
Dielectric withstanding Voltage	RG-58, 141, 142, 223: 1000 volts rms max RG-174, 188, 316: 750 volts rms max	
Contact Resistance	Center contact: 1.5 milliohms max Outer contact: 0.2 milliohms max	
RF Leakage	-55dB min @ 3 GHz	
Insertions Loss	0.2dB max @ 3 GHz	
Insulator resistance	5,000 Megohms min.	

## Mechanical & Environmental

Mating	7/16" – 28 threaded coupling	
Durability	500 matings	
Coupling Nut Retention	100 lbs min	
Cable Retention	RG-58, 141, 142, 223: 40 lbs min RG-59, 62A, 210: 40 lbs min RG-174, 188, 316: 20 lbs min	
Temperature Range	-65°C to 165 °C	
Vibration	MIL-STD-202 Method 204 test Cond.B.	
Temperature Cycling	MIL-STD-202 Method 101 test Cond.B.	

## Material:

	Material	Plating
Connector Body	Brass	Gold or Nickel
Center Contact	Male: Brass Female: Brass, Phosphor Bronze or Beryllium-Copper	Gold Gold
Insulation	Teflon or Delrin	None
Gasket	Silicone Rubber, Rubber	None
Crimp Ferrule	Annealed Copper or Brass	Same as Body