

GENERAL DESCRIPTION

This medium, light weight size connector series has a weatherproof screw locking mechanism. This series is used with small and medium size cables. The TNC series also accommodates various PCB, flange and bulkhead configurations. They are generally used in applications up to 12 Ghz.

MATERIALS

Bodies & Other Parts: Brass per ASTM B16 or equivalent.
Female Contacts: Beryllium Copper per ASTM B196 or equivalent.
Male Contacts: Brass per ASTM B16 or equivalent.
Insulators (Dielectric): PTFE Fluorocarbon per ASTM D1710 or equivalent.
Gaskets: Silicone Rubber per AA59588 or equivalent.

ELECTRICAL

Impedance: 50 Ohms Nominal
Frequency Range: DC-12 GHz
Insulation Resistance: 5,000 Megohms min.
Voltage Rating: 500 VRMS
Dielectric Withstanding: 1,500 VRMS at sea level
Voltage Standing Wave Ratio (VSWR): 1.07 max.
Contact Resistance:
Outer Contact: 0.2 Milliohms
Center Contact: 1.5 Milliohms

ENVIRONMENTAL

Temperature rating: -65°C to +165°C
Vibration: MIL-STD-202, Method 204
Shock: MIL-STD-202, Method 213
Thermal Shock: MIL-STD-202, Method 107
Corrosion (Salt Spray): MIL-STD-202, Method 101
Moisture Resistance: MIL-STD-202, Method 106

PLATING OPTIONS

Gold: Per MIL-G-45204, Type II, Grade C
Nickel: Per QQ-N-290, Class II
Silver: Per QQ-S-365, Type II, Grade A

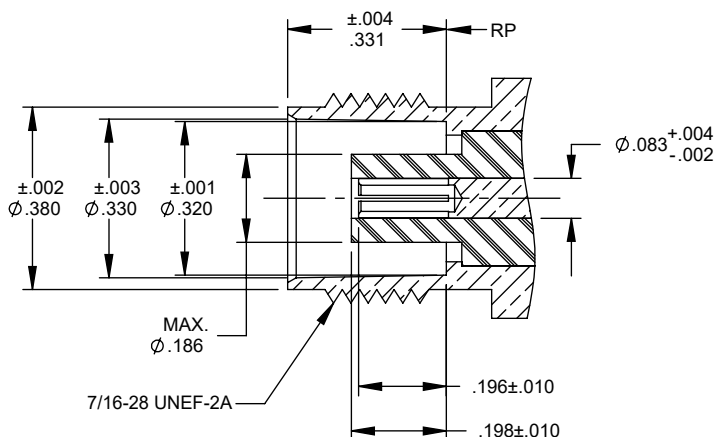
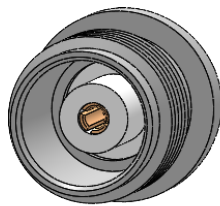
MECHANICAL

Force to Engage and Disengage: 2 in-lbs. max.
Coupling Proof Torque: 30 in-lbs. min.
Coupling Nut Retention Force: 100 lbs. Min.
Mating Cycles: 500 min.

DESIGN IN ACCORDANCE WITH

US MIL-PRF-39012, MIL-STD-348
IEC: 169-8
BE: ES101, ES103

JACK INTERFACE (FEMALE CONTACT)



PLUG INTERFACE (MALE CONTACT)

