



### Electrical Characteristics:

Max. Operating Frequency : 6 GHz  
 Connector Impedance : 50Ω  
 Return Loss : -35dB, 0 – 1 GHz  
 -32dB, 1 – 3 GHz  
 Insertion Loss : 0.1 √freq (GHz)

### Mechanical:

Inner Attachment Method : 360° Collet  
 Outer Attachment Method : Compression  
 Connector Weight : 1.565 oz. | 44.4 g  
 Min. Connector Retention Tensile Force : 890 N | 200 lbs.  
 Min. Coupling Nut Torque : 14 in-lbs. | 1.6 N-m  
 Hex Width : 0.55" | 14mm

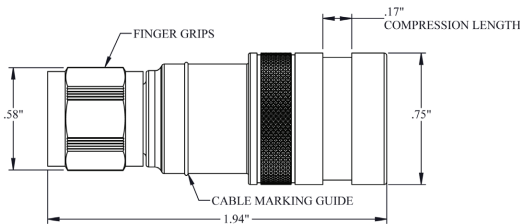
### Components:

Interface Type : TNC, Male  
 Body & Hex Coupling Nut : White Bronze (tri-metal)  
 Inner Contact : Gold Plated Brass  
 Internal Post : Tin Plated Brass  
 Compression Ring : Brass  
 Clamp : UHMWPE  
 Insulator : Ultem® 1000  
 Gasket : Silicone Rubber

### Environmental:

Moisture Resistance Test : MIL-STD-202F, Method 106F  
 Mechanical Shock Test : MIL-STD-202F, Method 213B, Test Condition C  
 Corrosion Test : MIL-STD-1344A, Method 1001.1, Test Condition A  
 Thermal Shock Test : MIL-STD-202F, Method 107G, Test Condition A-1, Low Temp -55°C  
 Vibration Test : IEC 68, PART 2-6  
 Operating Temp. Range : -67°F to +185°F / -55°C to +85°C  
 Storage Temperature : -67°F to +185°F / -55°C to +85°C  
 Immersion Test : IEC 529:1989, IP68  
 Immersion Depth : 12" | 0.31m  
 Water Jetting Test : IEC 529:1989, IP66

### Diagram



Dimensions : Inches

### Part Number Table

Description	Part Number
TNC Male Connector Assembly, 50Ω for 400 Size Cable	MCRF-TM-400

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