

# PRODUCT SPECIFICATIONS

## TNC Straight Plug Crimp For RG 174 Or RG 316 Or RG188 Or LMR100 Cable

40150108005007



### Electrical

|                                 |                                                                           |
|---------------------------------|---------------------------------------------------------------------------|
| Impedance                       | 50 $\Omega$                                                               |
| Frequency Range                 | DC-11 GHz                                                                 |
| V.S.W.R                         | 1.3 max.                                                                  |
| Insertion Loss                  | 0.18 dB max. @9GHz                                                        |
| Voltage Rating                  | 500 volts rms. at sea level                                               |
| Dielectric Withstanding Voltage | 1500 volts rms. at sea level                                              |
| Insulation Resistance           | 5000 Megohms min.                                                         |
| Contact Resistance              | Center contact = 1.5 Milliohms max.<br>Outer contact = 0.2 Milliohms max. |
| Power Handling                  | 500W                                                                      |

### Mechanical

|                             |                             |
|-----------------------------|-----------------------------|
| Mechanical                  | 7/16" -28 Threaded coupling |
| Durability                  | 500 Cycles                  |
| Cable retention             | 15 lbs min.                 |
| Center contact retention    | 6 lbs min. Axial force      |
| Coupling Proof Torque       | 15 in-lbs min.              |
| Recommended Coupling Torque | 4~6 inch-lbs                |

### Material

|                |                         |
|----------------|-------------------------|
| Connector Body | Brass                   |
| Center Contact | Brass ,Beryllium Copper |
| Insulation     | PTFE                    |
| Gasket         | Silicone                |

### Environmental

|             |                                               |
|-------------|-----------------------------------------------|
| Temperature | -65°C to 165°C                                |
| Vibration   | Refer to MIL-STD-202 Method 204 Test Cond. B. |
| Salt Spray  | Refer to MIL-STD-202 Method 101 Test Cond. B. |

### Related Documents

|                       |       |
|-----------------------|-------|
| Assembly Instructions | CM-03 |
|-----------------------|-------|

## Test Report

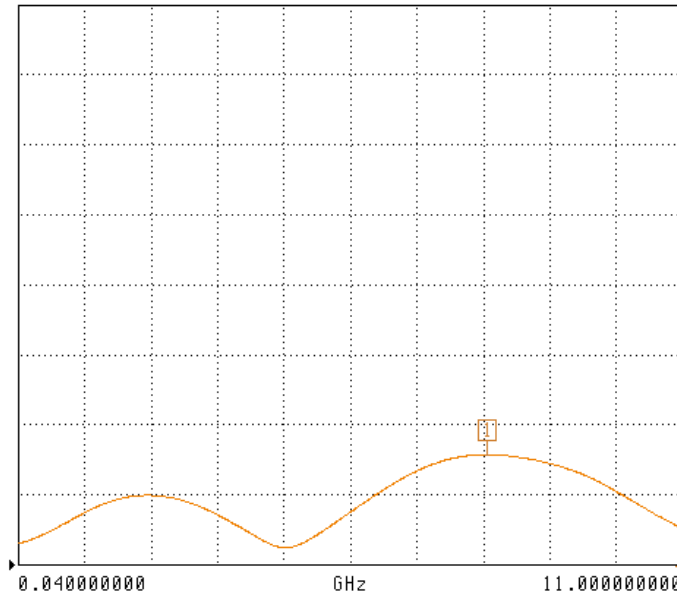
S11 FORWARD REFLECTION

FGT

SWR

REF=1.000 U

100.000 mU/DIV



CH 3 - S11  
0.0000 mm REF  
0.000 dB OFFSET  
0.00° OFFSET

MARKER 1  
7.768000000 GHz  
1.157 U

▶ MARKER TO MAX  
MARKER TO MIN

MARKER READOUT  
FUNCTIONS