

# PRODUCT SPECIFICATIONS

## N Square Flange Plug Receptacle

40110108400001



### Electrical

|                                 |                                                                           |
|---------------------------------|---------------------------------------------------------------------------|
| Impedance                       | 50 $\Omega$                                                               |
| Frequency Range                 | DC-11 GHz                                                                 |
| V.S.W.R                         | 1.15 Max. @6 GHz<br>1.3 Max. @11 GHz                                      |
| Insertion Loss                  | 0.3 dB Max. @10GHz                                                        |
| Voltage Rating                  | 1000 volts rms. at sea level                                              |
| Dielectric Withstanding Voltage | 2500 volts rms. at sea level                                              |
| Insulation Resistance           | 5000 Megohms Min.                                                         |
| Contact Resistance              | Center contact = 1.0 Milliohms Max.<br>Outer contact = 1.0 Milliohms Max. |
| Power Handling                  | 1200W                                                                     |

### Mechanical

|                             |                           |
|-----------------------------|---------------------------|
| Mechanical                  | 5/8"-24 Threaded coupling |
| Durability                  | 500 Cycles                |
| Center Contact Retention    | 6 lbs Min. Axial force    |
| Coupling Proof Torque       | 15 in-lbs Min.            |
| Recommended Coupling Torque | 12~15 inch-lbs            |

### Material

|                |       |
|----------------|-------|
| Connector Body | Brass |
| Center Contact | Brass |
| Insulation     | PTFE  |

### 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. |

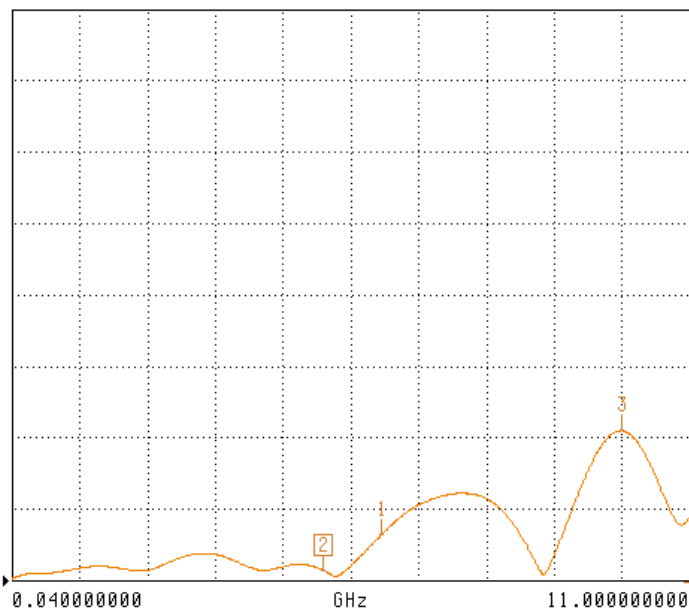
## Test Report

S11 FORWARD REFLECTION

SWR

REF=1.000 U

100.000 mU/DIV



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

MARKER 2  
5.081600000 GHz  
1.014 U

MARKER TO MAX  
MARKER TO MIN

1 6.013200000 GHz  
1.063 U

3 9.904000000 GHz  
1.210 U

MARKER READOUT  
FUNCTIONS