



## CHIN NAN<sup>®</sup> PRECISION ELECTRONICS CO., LTD.

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### SPECIFICATION

Description : TNC Straight Bulkhead Jack Receptacle

Part No. : 15-29-1 TGN

#### ELECTRICAL

|                                 |                                                                                           |
|---------------------------------|-------------------------------------------------------------------------------------------|
| Impedance                       | 50ohm                                                                                     |
| Frequency Range                 | 0 ~ 11GHz                                                                                 |
| V.S.W.R                         | $\leq 1.3$ @1GHz                                                                          |
| Return Loss                     | $\geq 17.692$ dB@1GHz                                                                     |
| Voltage Rating                  | 500 volts rms.                                                                            |
| Dielectric Withstanding Voltage | 1500 volts AC dielectric withstanding voltage.1 min. hold with no breakdown or flashover. |
| Insulation Resistance           | 5000 Megohms min.                                                                         |
| Contact Resistance              | Center contact = 1.5 Milliohms max.<br>Outer contact = 1.0 Milliohms max.                 |

#### Mechanical

|            |                                                                   |
|------------|-------------------------------------------------------------------|
| Mating     | 7/16"-28 Threaded coupling                                        |
| Durability | 500 times shall show no evidence of damage, cracking or chipping. |

#### Material & Plating

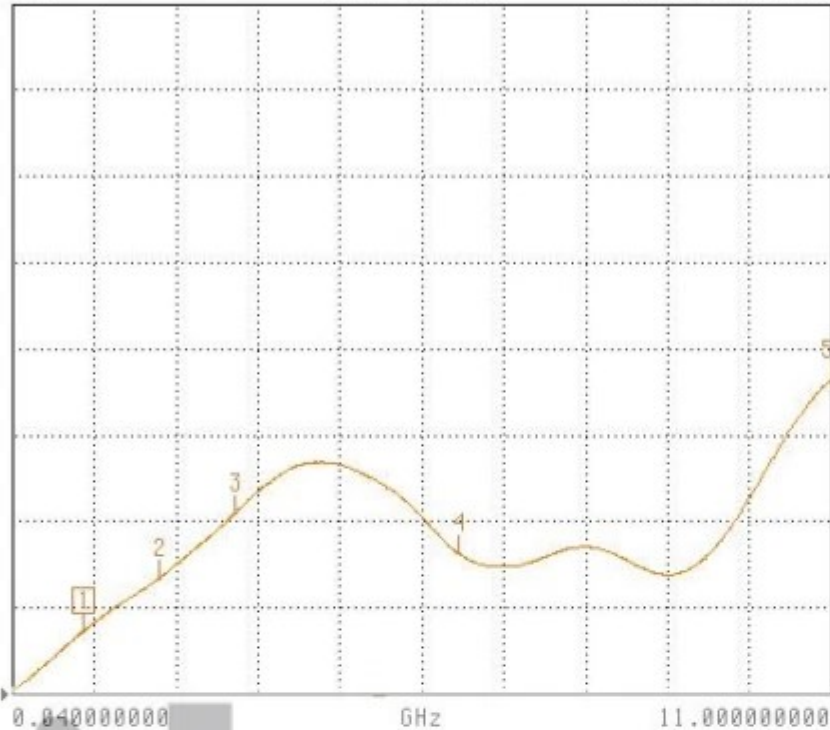
|                |        |        |
|----------------|--------|--------|
| Connector Body | Brass  | Nickel |
| Center Contact | Brass  | Gold   |
| Insulation     | Teflon | None   |

# S11 FORWARD REFLECTION

SWR

REF=1.000 U

300.000 mU/DIV



CH 1 - S11  
0.0000 mm REF  
0.000 dB OFFSET  
0.00° OFFSET

MARKER 1  
1.012700000 GHz  
1.220 U

MARKER TO MAX  
MARKER TO MIN

2 2.012800000 GHz  
1.401 U

3 3.012900000 GHz  
1.625 U

4 6.013200000 GHz  
1.488 U

5 11.000000000 GHz  
2.089 U

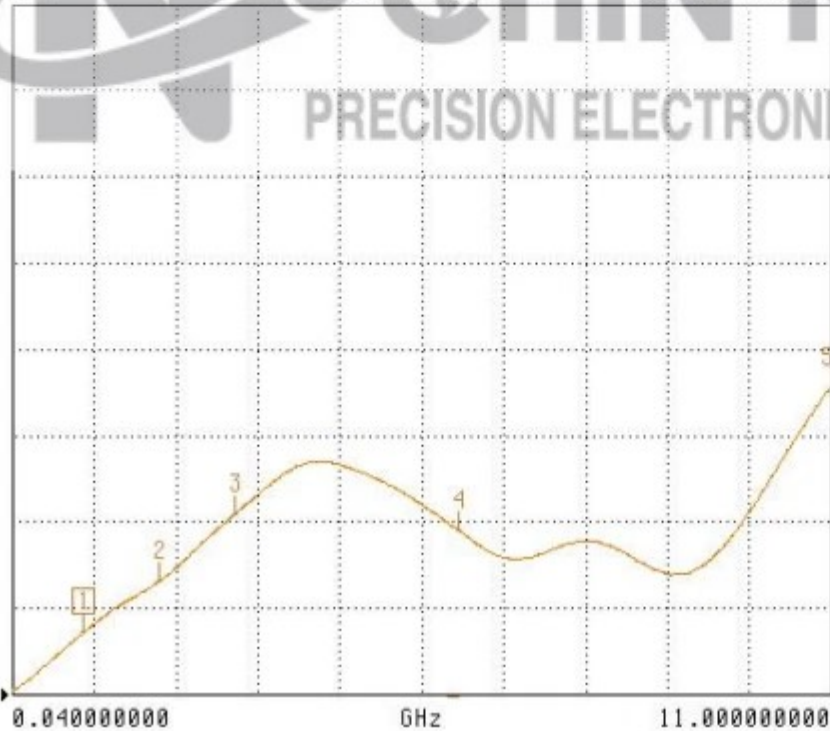
MARKER READOUT  
FUNCTIONS

# S11 FORWARD REFLECTION

SWR

REF=1.000 U

300.000 mU/DIV



CH 1 - S11  
0.0000 mm REF  
0.000 dB OFFSET  
0.00° OFFSET

MARKER 1  
1.012700000 GHz  
1.216 U

MARKER TO MAX  
MARKER TO MIN

2 2.012800000 GHz  
1.392 U

3 3.012900000 GHz  
1.625 U

4 6.013200000 GHz  
1.570 U

5 11.000000000 GHz  
2.068 U

MARKER READOUT  
FUNCTIONS

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