

## 6G\_75ohm Connectors

### 1.0/2.3 1.0/2.3 Straight PCB Mount Jack Receptacle

[40470208300003\(47-06-2-TGG\)](#)



## Electrical

|                                 |   |
|---------------------------------|---|
| Impedance                       | 75 Ω  |
| Frequency Range                 | DC to 6 GHz   |
| V.S.W.R                         | 1.3 max. @6 GHz   |
| Voltage Rating                  | 250 volts rms. at sea level   |
| Dielectric Withstanding Voltage | 750 volts rms. at sea level   |
| Insulation Resistance           | 1,000 Megohms min.  |
| Contact Resistance              | Center contact = 3.0 Milliohms max.<br>Outer contact = 6.0 Milliohms max. |
| Power Handling                  | 80W   |

## Mechanical

|                          |                                |
|--------------------------|--------------------------------|
| Mechanical               | "Push Pull" snap-on coupling   |
| Durability               | 500 Cycles                     |
| Center contact retention | 2.2 lbs Axial force mating end |

## Material

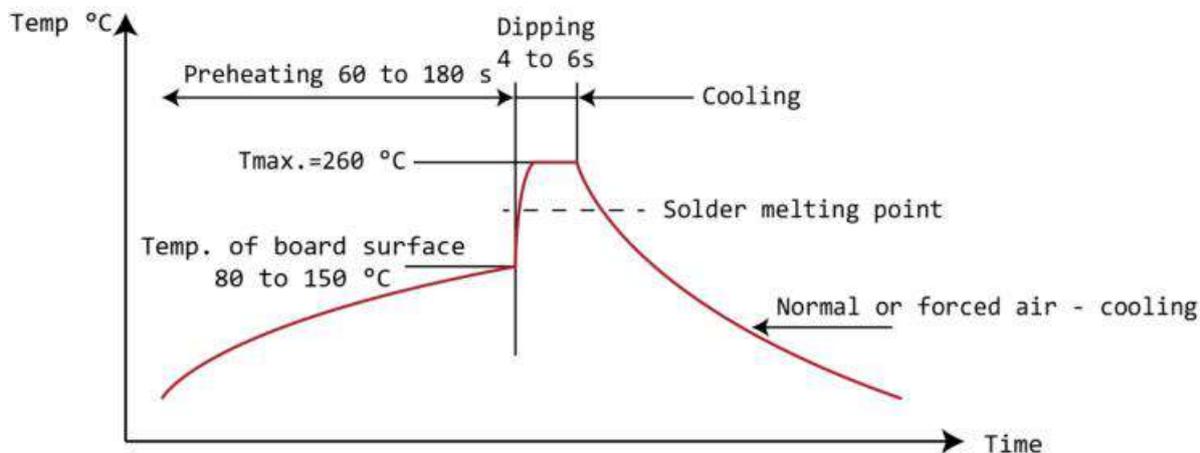
|                |                  |
|----------------|------------------|
| Connector Body | Brass            |
| Center Contact | Beryllium Copper |
| Insulation     | PTFE             |

## Environmental

|             |   |
|-------------|---|
| Temperature | -55°C to 125°C                                |
| Vibration   | Refer to MIL-STD-202 Method 204 Test Cond. B. |
| Salt Spray  | Refer to MIL-STD-202 Method 101 Test Cond. B. |

## Recommended Soldering Conditions

Wavesolder



Recommended temperature profile of solder dipping

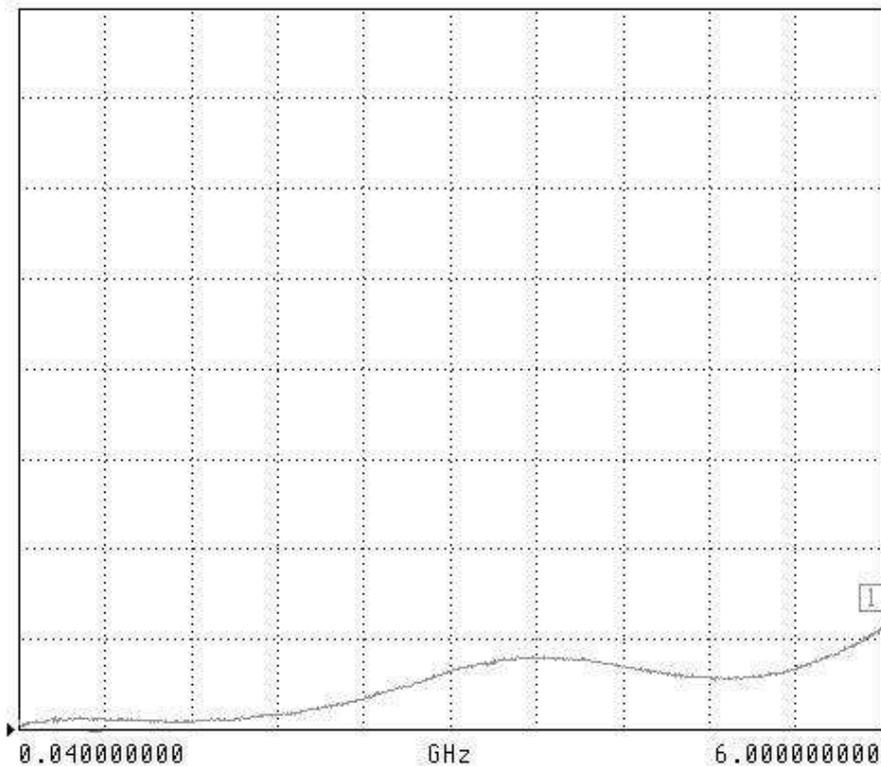
## Test Report

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 1  
 6.000000000 GHz  
 1.110 U

MARKER TO MAX  
 MARKER TO MIN

MARKER READOUT  
 FUNCTIONS