

# PRODUCT SPECIFICATIONS

## Anti-Vibration Straight MMCX Surface Mount Jack Receptacle

40370208300013(37-06-18-TGG)



### Electrical

|                                 |                                                                           |
|---------------------------------|---------------------------------------------------------------------------|
| Impedance                       | 50 $\Omega$                                                               |
| Frequency Range                 | DC to 12 GHz                                                              |
| V.S.W.R                         | 1.22 max. @6 GHz                                                          |
| Voltage Rating                  | 250 volts rms. at sea level                                               |
| Dielectric Withstanding Voltage | 500 volts rms. at sea level                                               |
| Insulation Resistance           | 1,000 Megohms min.                                                        |
| Contact Resistance              | Center contact = 5.0 Milliohms max.<br>Outer contact = 2.5 Milliohms max. |
| Power Handling                  | 120 W                                                                     |

### Mechanical

|            |                            |
|------------|----------------------------|
| Mechanical | NO.10-36 Threaded coupling |
| Durability | 500 Cycles                 |

### Material

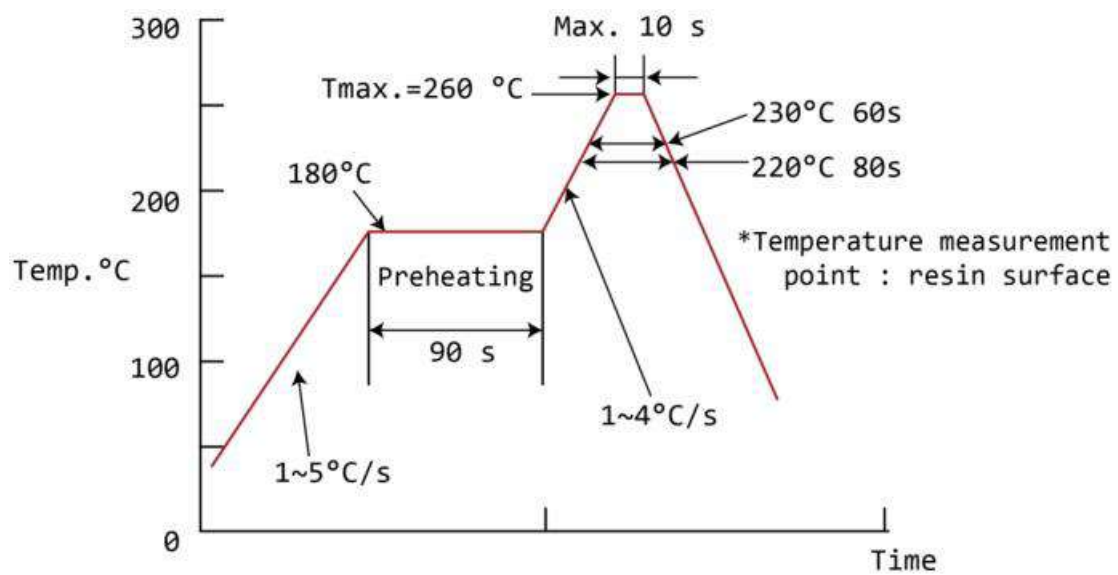
|                |                  |
|----------------|------------------|
| Connector Body | Brass            |
| Center Contact | Beryllium Copper |
| Insulation     | PTFE             |

### Environmental

|             |                                               |
|-------------|-----------------------------------------------|
| Temperature | -55°C to 155°C                                |
| Vibration   | Refer to MIL-STD-202 Method 204 Test Cond. G. |
| Salt Spray  | Refer to MIL-STD-202 Method 101 Test Cond. B. |

## Recommended Soldering Conditions

### Reflow



Recommended temperature profile of infrared reflow

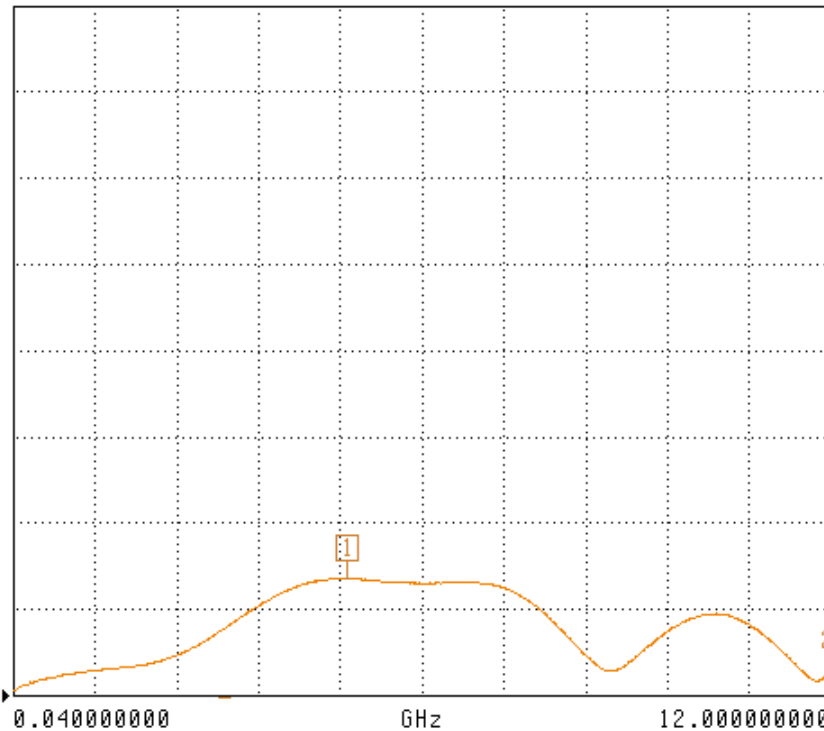
### Test Report

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  
4.928650000 GHz  
1.135 U

MARKER TO MAX  
MARKER TO MIN

2 12.000000000 GHz  
1.028 U

MARKER READOUT  
FUNCTIONS