

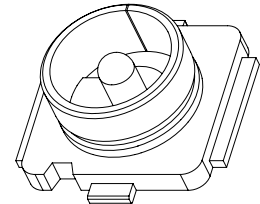
|           |                       |               |              |           |
|-----------|-----------------------|---------------|--------------|-----------|
| CONNTHERM | Product Specification |               | Rev.: F      | Page: 1/4 |
|           | PART No.:             | Approved/Date | Checked/Date | Made/Date |
|           | RF-IPX125-2Au         | 08/01/12'     | ~            | 08/01/12' |

### 1、Scope

The product described in this paper is a SMT Type Micro Coaxial RF Receptacle, whose part name in our comply is USS RF REC..It is special for Microstrip-to-Coaxial adapter in RF circuit, Such as Mobile Phone, Wireless Net, MiniPCI, BlueTooth, PDA, GPS, Electric Measurement Instruments and so on.

### 2、Technical Parameters

|                         |                 |
|-------------------------|-----------------|
| 2.1 Rated Voltage       | 60VAC (R. M. S) |
| 2.2 Frequency Range     | 0~6GHz          |
| 2.3 Character Impedance | 50Ω             |
| 2.4 Operate Temperature | -40°C ~ +90°C   |
| 2.5 Operate Humidity    | 90% MAX         |



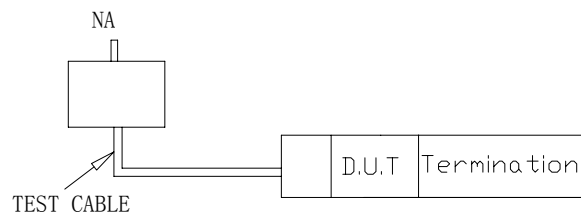
### 3、Electric Performance

|                                  |  |
|----------------------------------|--|
| 3.1 Dielectric Resistance        | 500MΩ  |
| 3.2 Dielectric Withstand Voltage | 200V AC 1Min                                   |
| 3.3 Contact Resistance           |  |
| 3.3.1 Inner Contact              | Initial : 20 mΩ max<br>After (测试后) : 25 mΩ max |
| 3.3.2 Outer Contact              | Initial : 10 mΩ max<br>After (测试后) : 15 mΩ max |

#### 3.4 VSWR

|         |
|---------|
| 0~6GHz  |
| 1.3 max |

#### 3.4.1 Test Method:



### 4、Mechanical Performance

|                |   |
|----------------|---|
| 4.1 Durability | 100 Cycles  |
| 4.2 Shock      | Accerlaration: 735m/s <sup>2</sup> , 11ms (Time), Waveform: Half-wave waveform, 6 Cycles In Each X-Y-Zaxis                              |
| 4.3 Vibration  | Frequency: 10-100Hz, single amplitude of 1.5mm, acceleration of 59m/s <sup>2</sup> . for 5cycles in the direction of each of the 3axis. |

|           |                       |               |              |           |
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5、Environment Performance

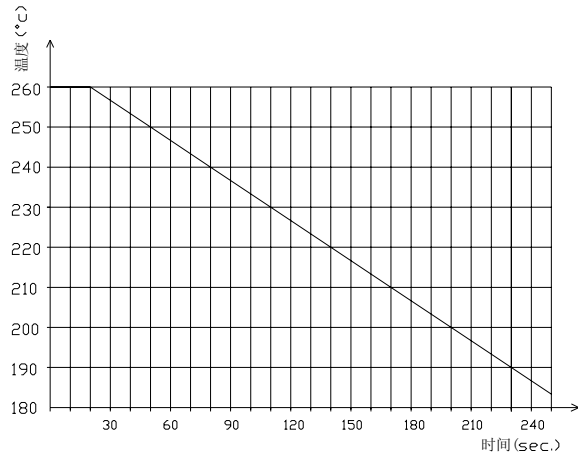
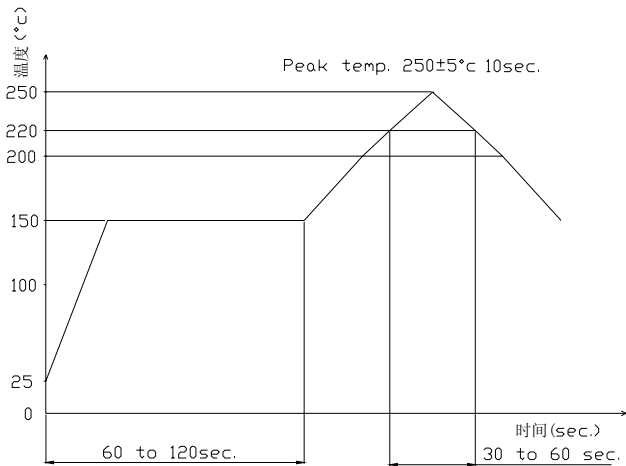
5.1 Temperature & Humidity Cycling    TEM.: 60°C    Relative Humidity: 95% RH    Time: 96 hours

5.2 Salt spray                            Temp.: 35°C    Conduction: 5%    Time: 48 hours

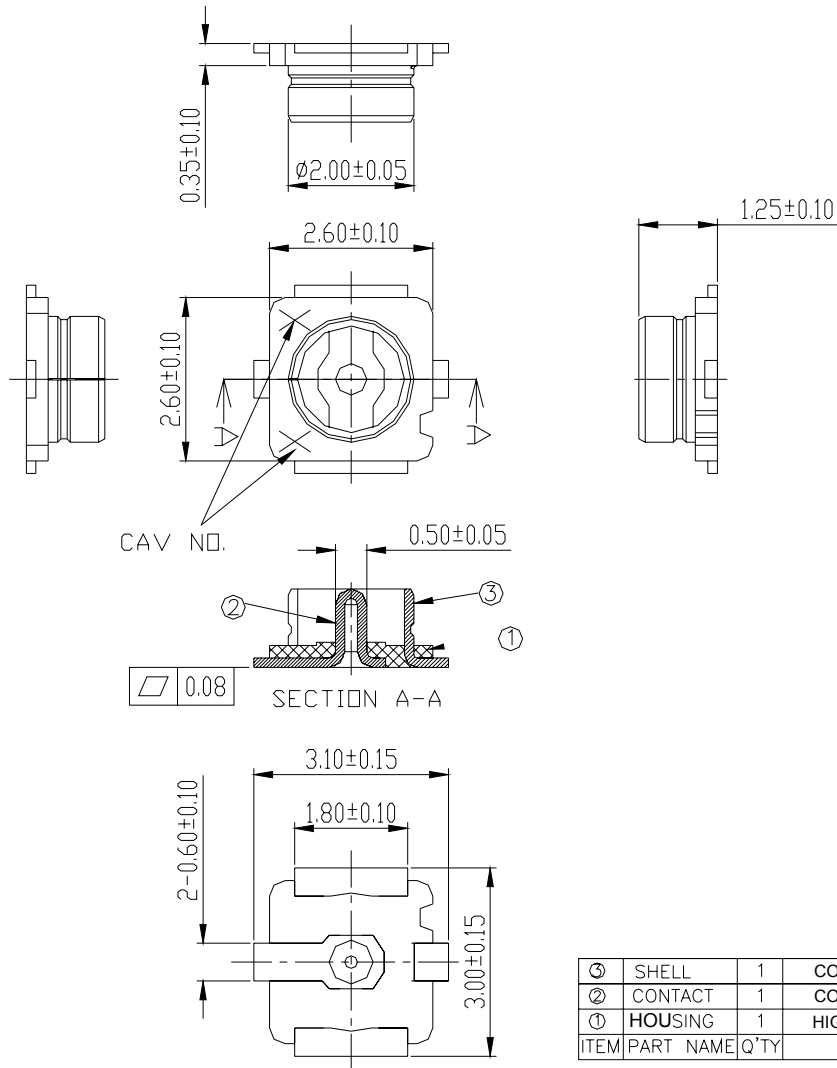
5.3 Solderability                        The Sn Immersed Area must beyond by 95%.

6、SMT Temperature Curve

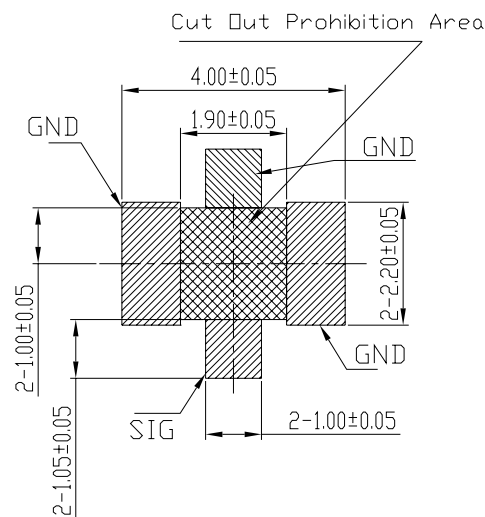
6.1 Recommended tem.&time relative curve of Re-flow.    6.2 Extremed tem.&time curve of Re-flow



7、Profile Dimensions



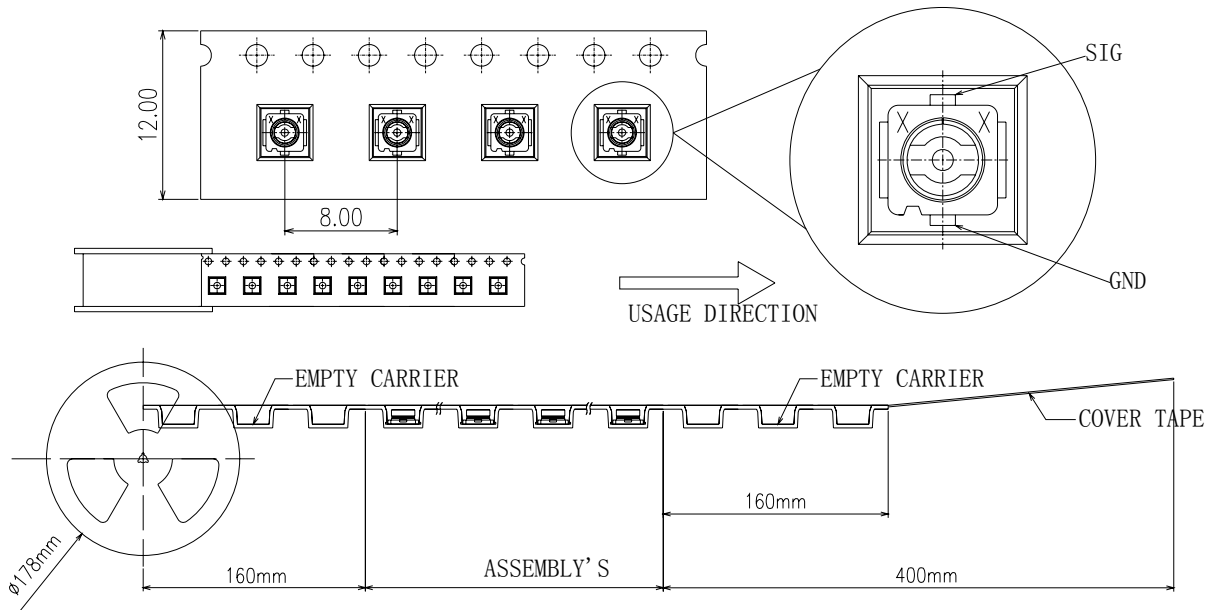
8、PCB LAYOUT



|           |                       |               |              |           |
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9、Packaging SPEC.

9.1 Tape Assembly Method and the volume is 1000Pcs per Reel ( $\Phi 178\text{mm}$ )  
, 1000Pcs ( $\Phi 178\text{mm}$ )



10、Storage Condition

Temperature:  $-10 \sim +40 \text{ }^{\circ}\text{C}$   
Relative Humidity: 15 ~ 85 % RH  
Life: Half Year.