

**Features::**

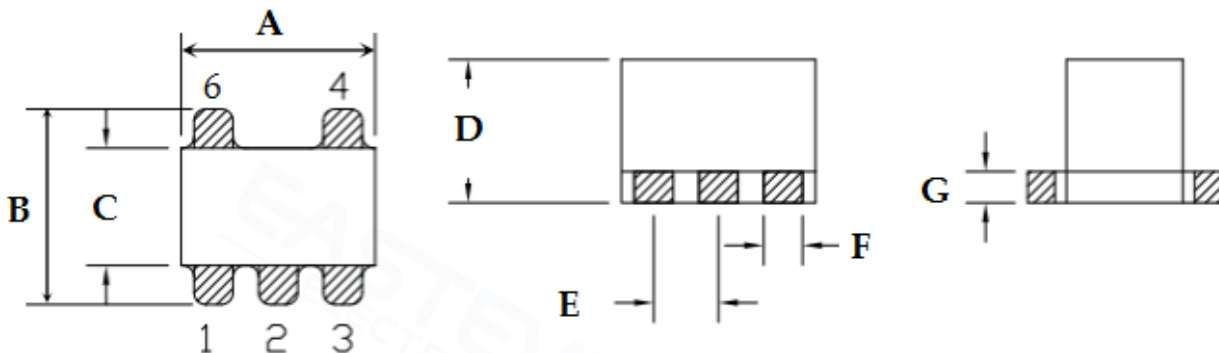
- ◆ 75Ω Impedance
- ◆ Frequency: 30 to 1250 MHz
- ◆ RF power: 2.0W
- ◆ DC current: 500mA
- ◆ Insertion loss: 1.5dB Max
- ◆ Operating temperature range: -40°C to +85°C
- ◆ Storage temperature range: -55°C to +100°C



**Applications:**

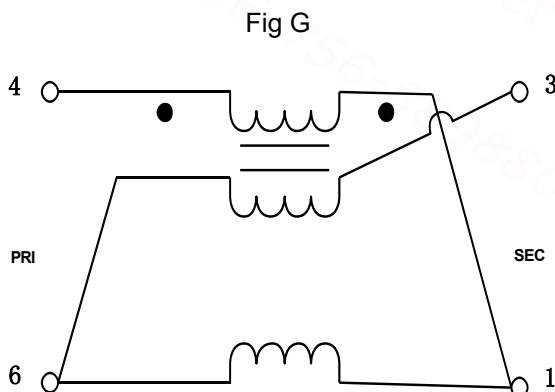
- ◆ For broadband and wireless communications
- ◆ For VHF/UHF receivers/transmitters and push-pull amplifiers

**Dimension Diagram (Unit:mm) :**

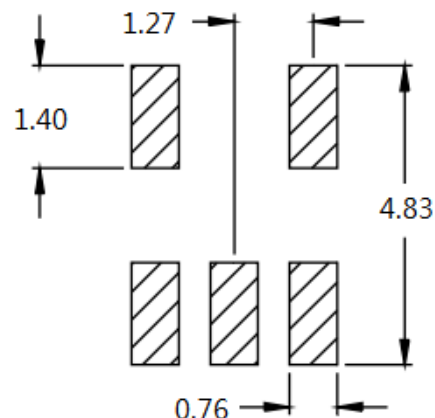


A=3.80±0.20 B=3.80±0.20 C=2.30±0.20 D=2.80±0.20 E=1.27±0.10 F=0.76±0.10 G=0.60±0.10

**Electrical structure:**

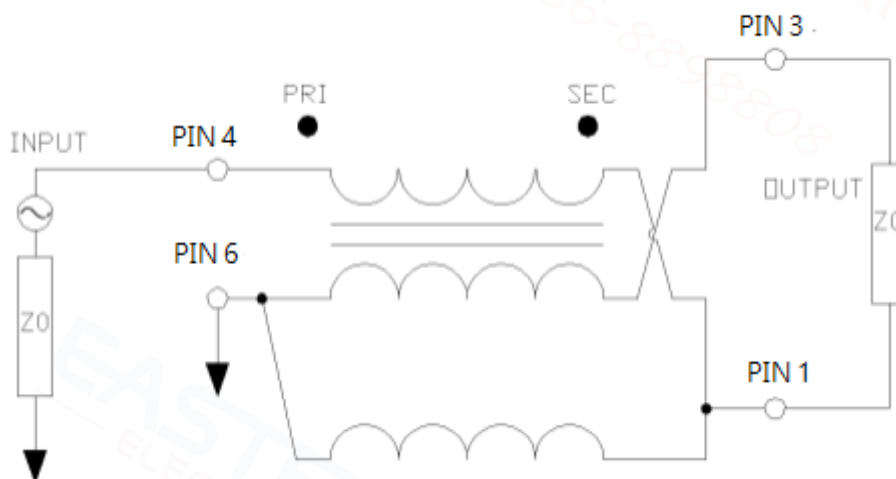


**Recommended layout:**



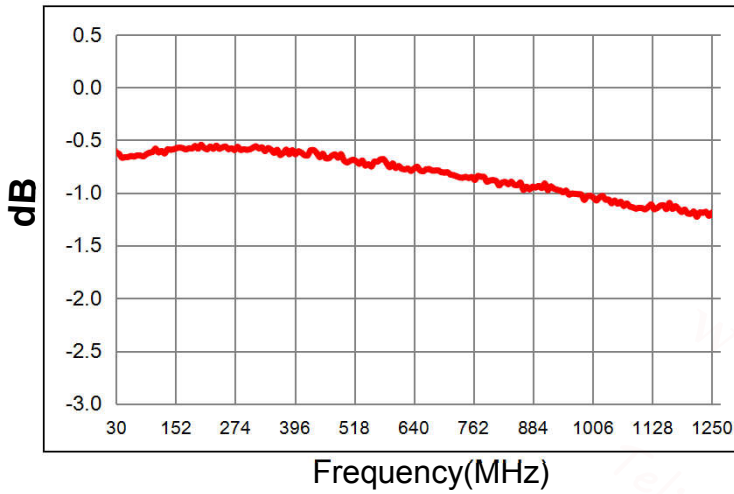
**Pin configuration:**

| Pin No. | Function |
|---------|----------|
| 1       | Output 2 |
| 2       | Not Used |
| 3       | Output 1 |
| 4       | Input    |
| 6       | Ground   |

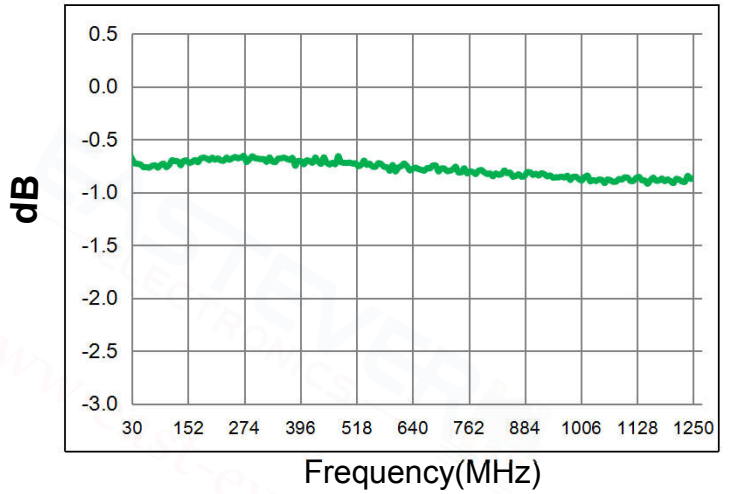
**Application circuit :****Electrical Specifications: TA=25°C, 0dBm, Z0=75Ω:**

| Parameter            | Test Conditions | Units   | Min  | Typ  | Max  |
|----------------------|-----------------|---------|------|------|------|
| Main line Loss(out1) | 30-640MHz       | dB      | -    | 0.6  | 1.0  |
|                      | 640-1250MHz     | dB      | -    | 1.0  | 1.5  |
| Main line Loss(out2) | 30-1250MHz      | dB      | -    | 0.7  | 1.3  |
| Amplitude Balance    | 30-1250MHz      | dB      | -    | 0.2  | ±0.7 |
| Phase Balance        | 30-1250MHz      | Degrees | -    | 5.0  | ±7.0 |
| Input Return Loss    | 30-1250MHz      | dB      | 10.0 | 25.0 | —    |

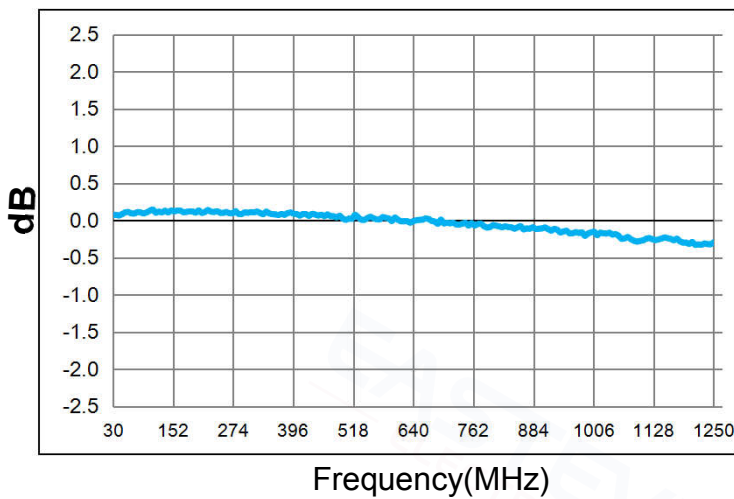
Main line Loss(out1)



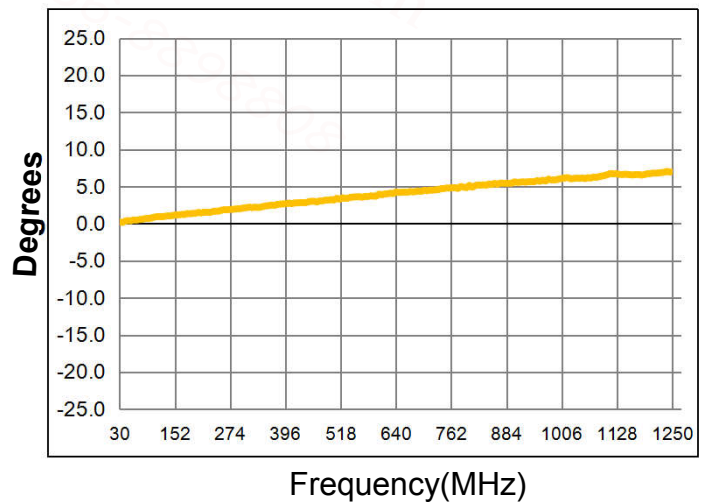
Main line Loss(out2)



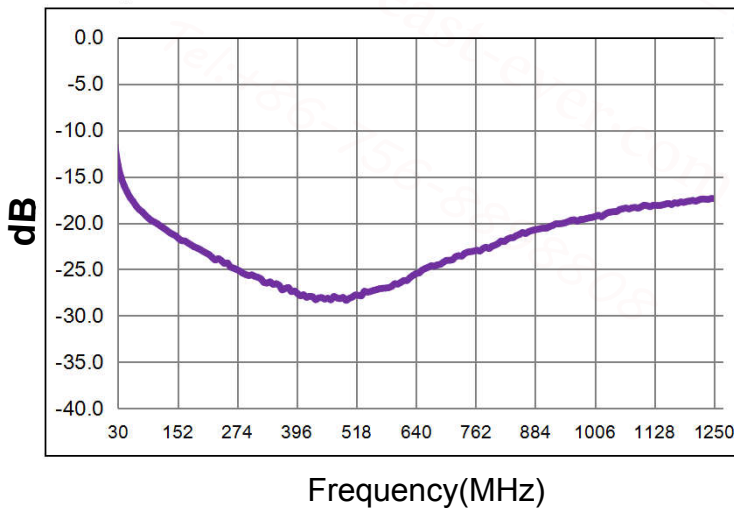
Amplitude Balance



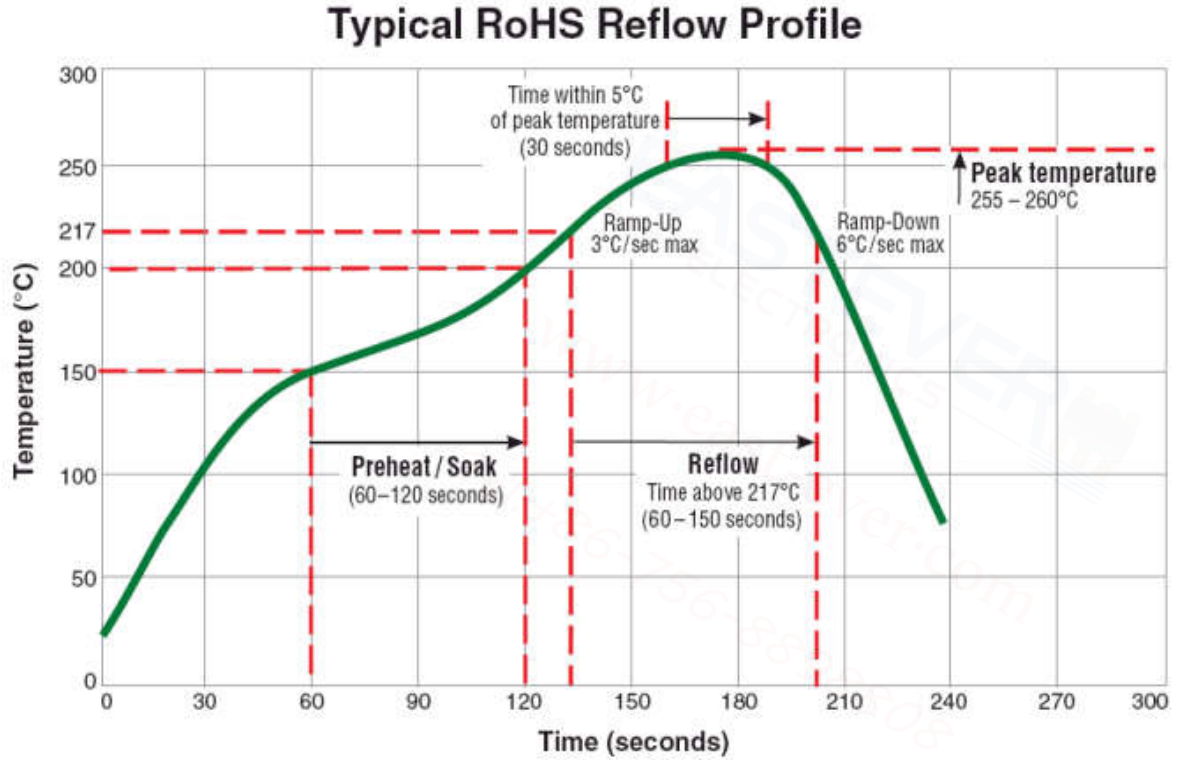
Phase Balance



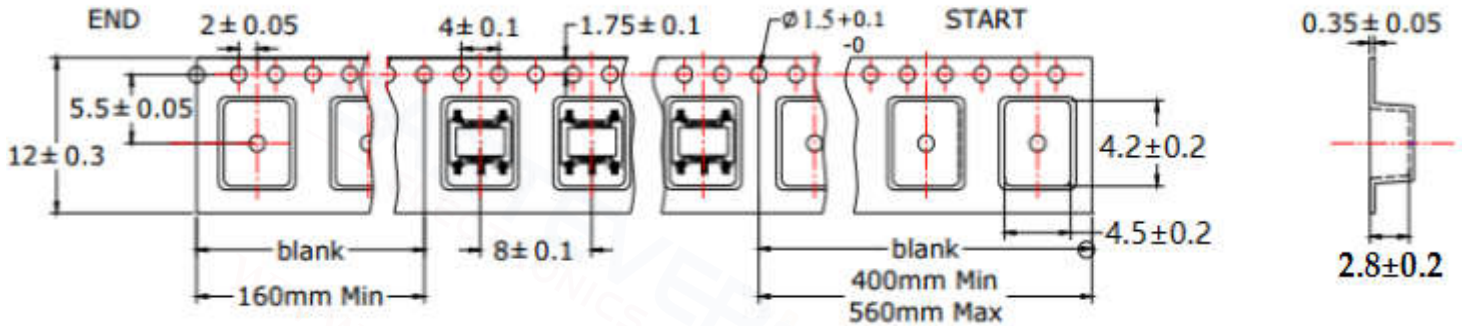
Input Return Loss



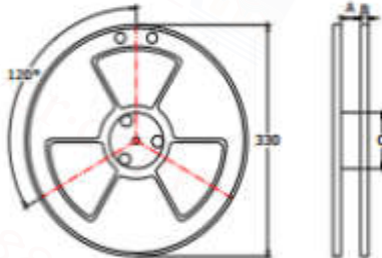
**Recommended Soldering Temperature Graph:**



**Packing Dimension For Caeier Tape(UNIT:mm):**



|                           |
|---------------------------|
| QUANTITY                  |
| 2000pcs/reel              |
| 4Reel/Middle Carton       |
| 4Middle Carton/Big Carton |
| 32000pcs/Big Carton       |



|           |     |      |      |      |
|-----------|-----|------|------|------|
| SPEC      | 8   | 12   | 16   | 24   |
| DIM A±0.1 | 8.5 | 12.5 | 16.5 | 24.5 |
| DIM B±0.1 | 2.3 | 2.3  | 2.3  | 2.3  |
| DIM C±0.1 | 100 | 100  | 100  | 100  |

