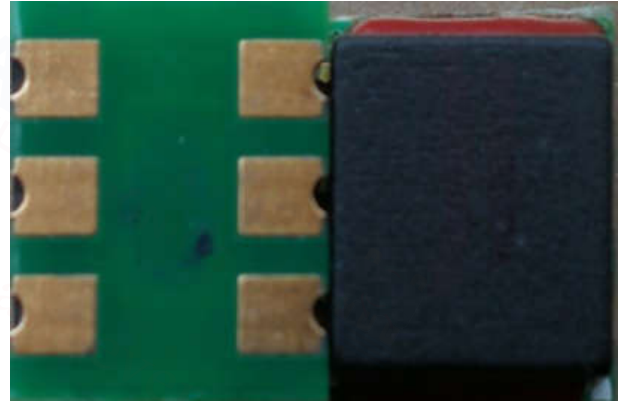


Features:

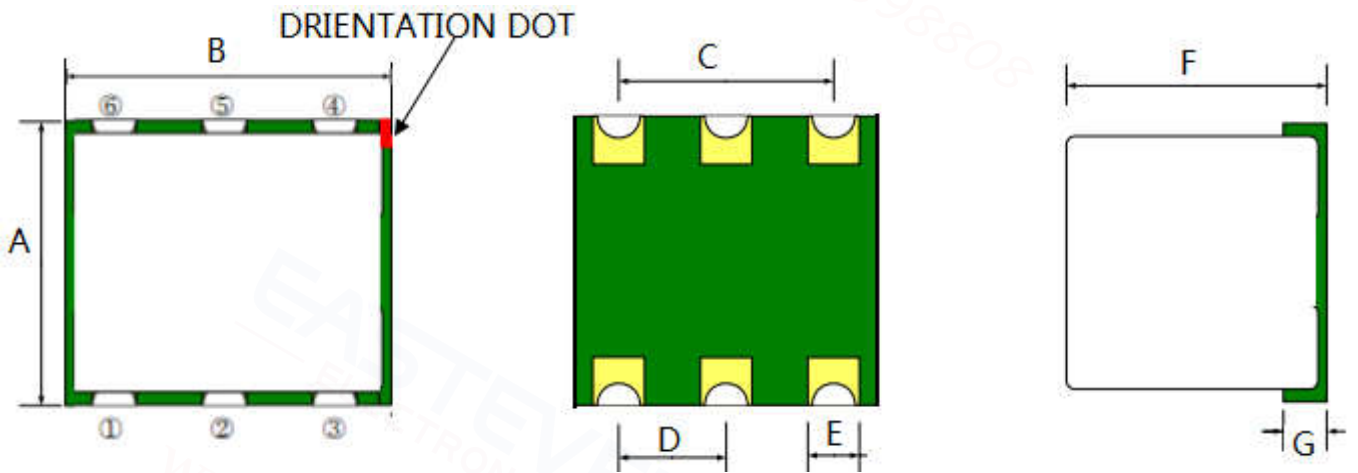
- ◆ 50Ω Impedance
- ◆ Equivalent to: ADT1-6T
- ◆ Frequency: 0.3 to 125 MHz
- ◆ RF power: 0.50W
- ◆ DC current: 30mA
- ◆ Operating temperature range: -20°C to +85°C
- ◆ Storage temperature range: -55°C to +100°C



Applications:

- ◆ For impedance matching
- ◆ For balanced amplifier

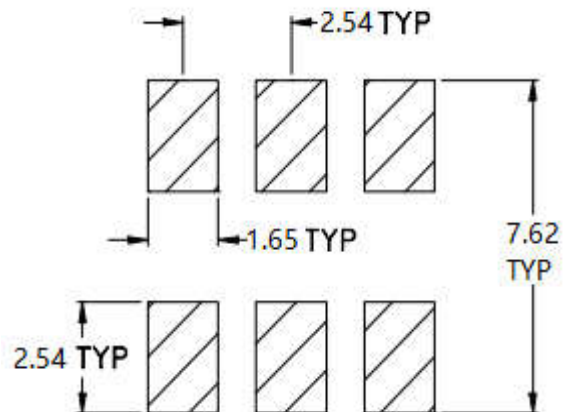
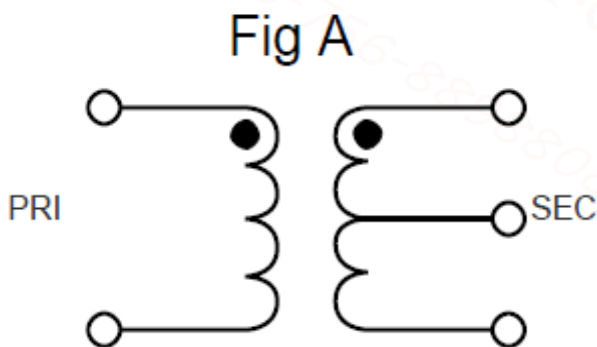
Dimension Diagram (Unit:mm) :



A:7.2±0.2 B:9.0±0.2 C:5.1±0.1 D:2.6±0.1 E:1.6±0.1 F:5.5±0.2 G:0.6±0.1

Electrical structure:

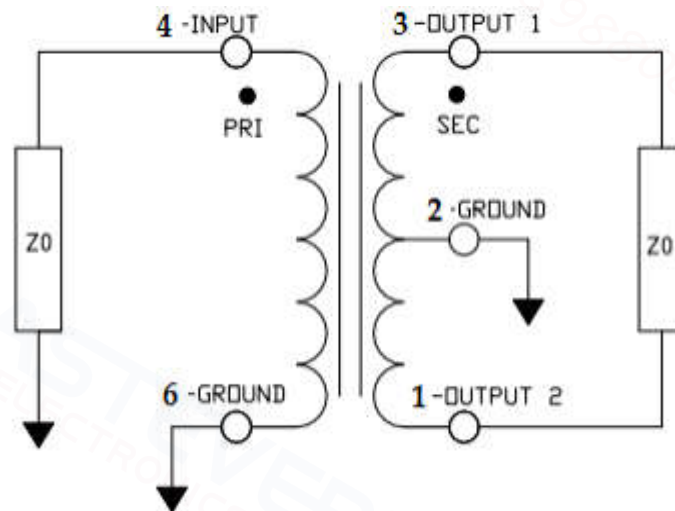
Recommended layout:



Pin configuration:

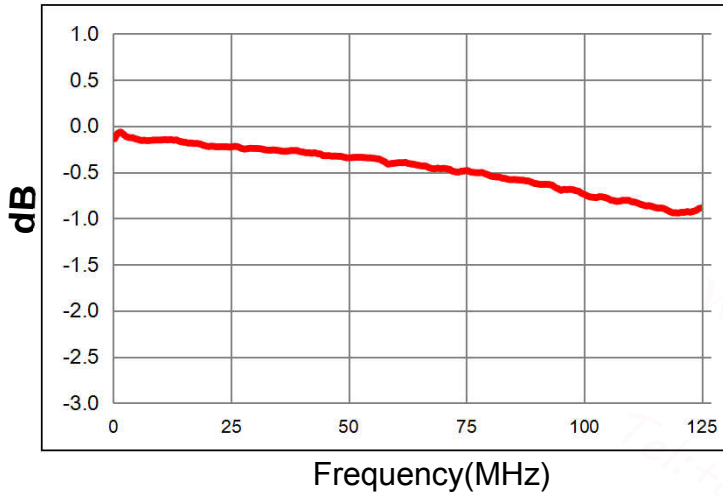
| Pin No. | Function |
|---------|----------|
| 1 | Output2 |
| 2 | Ground |
| 3 | Output1 |
| 4 | Input |
| 6 | Ground |

Application circuit :

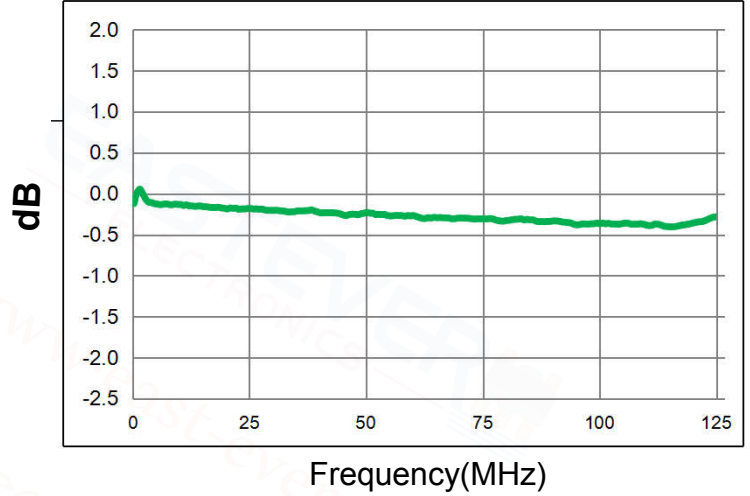
Electrical Specifications: $T_A=25^{\circ}\text{C}$, 0dBm, $Z_0=50\Omega$:

| Parameter | Test Conditions | Units | Min | Typ | Max |
|----------------------|-----------------|---------|-----|------|------------|
| Main line Loss(out1) | 0.3-125MHz | dB | — | 0.6 | 2.5 |
| Main line Loss(out2) | 0.3-125MHz | dB | — | 0.3 | 2.0 |
| Amplitude Balance | 0.3-125MHz | dB | — | 0.2 | ± 0.5 |
| Phase Balance | 0.3-125MHz | Degrees | — | 5.0 | ± 10.0 |
| Input Return Loss | 0.3-125MHz | dB | 6.0 | 25.0 | — |

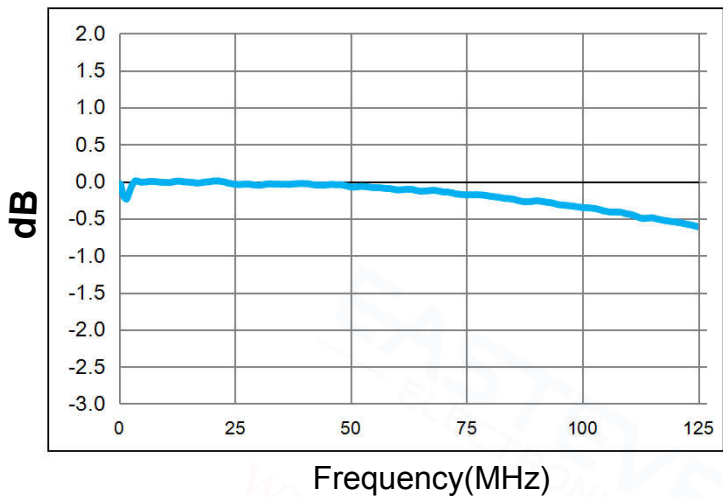
Main line Loss(out1)



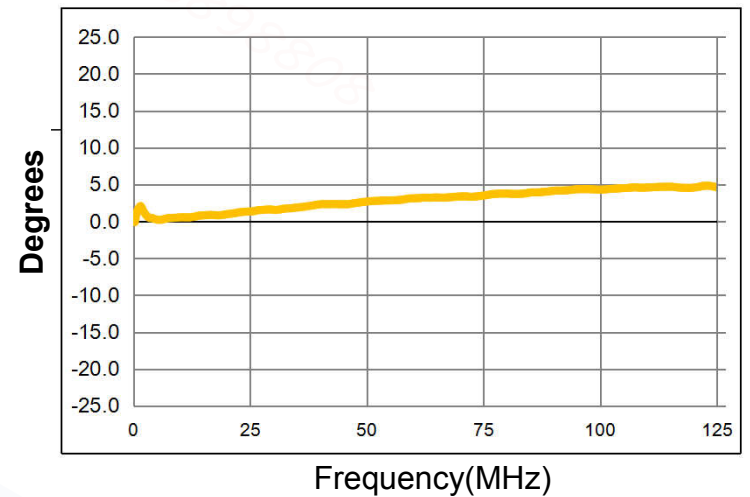
Main line Loss(out2)



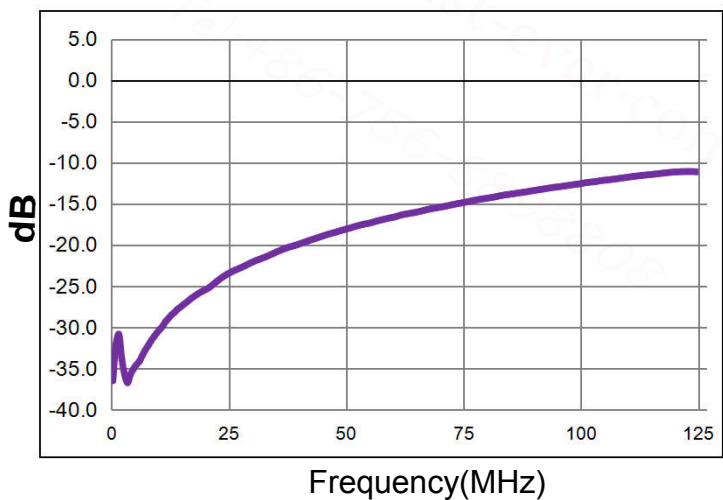
Amplitude Balance



Phase Balance

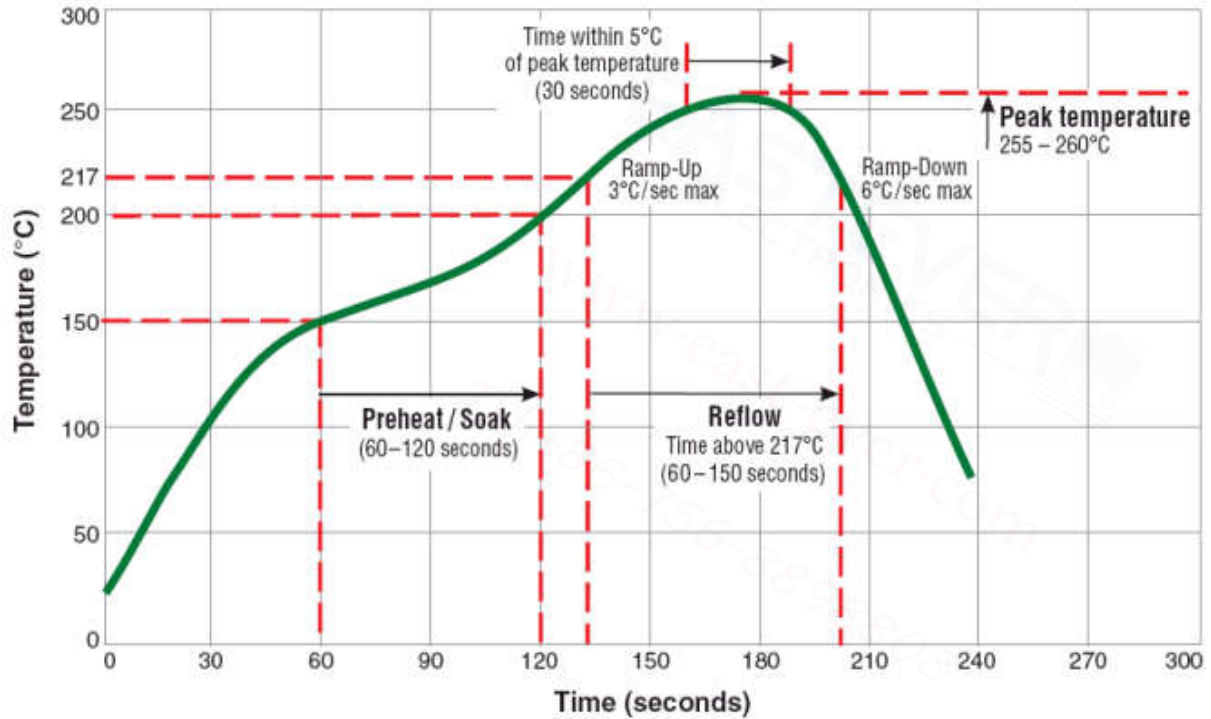


Input Return Loss

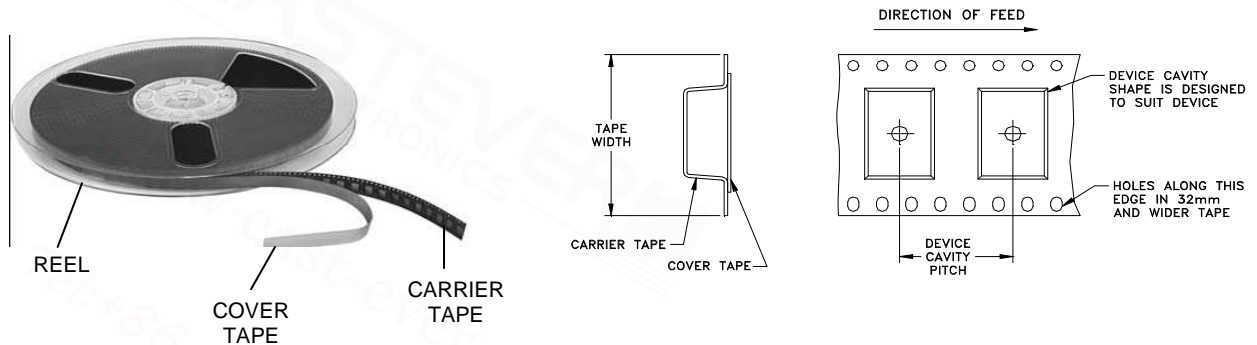


Recommended Soldering Temperature Graph:

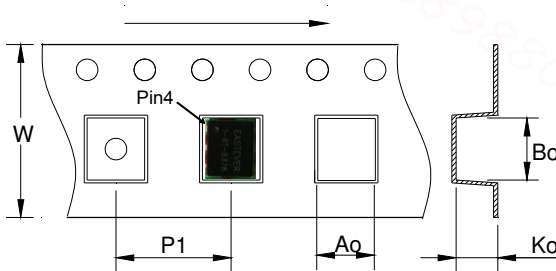
Typical RoHS Reflow Profile



Packing Dimension For Carrier Tape(UNIT:mm):



Carrier Tape Orientation



Tape & Reel Information

| Parameter | Units | Value |
|--------------|-------|-------|
| Qty per reel | PCS | 700 |
| Reel Size | mm | 330 |
| Tape Width | mm | 16.00 |
| Pitch | mm | 12.00 |
| Ao | mm | 7.50 |
| Bo | mm | 9.50 |
| Ko | mm | 6.00 |

Reel Size

