



**Features::**

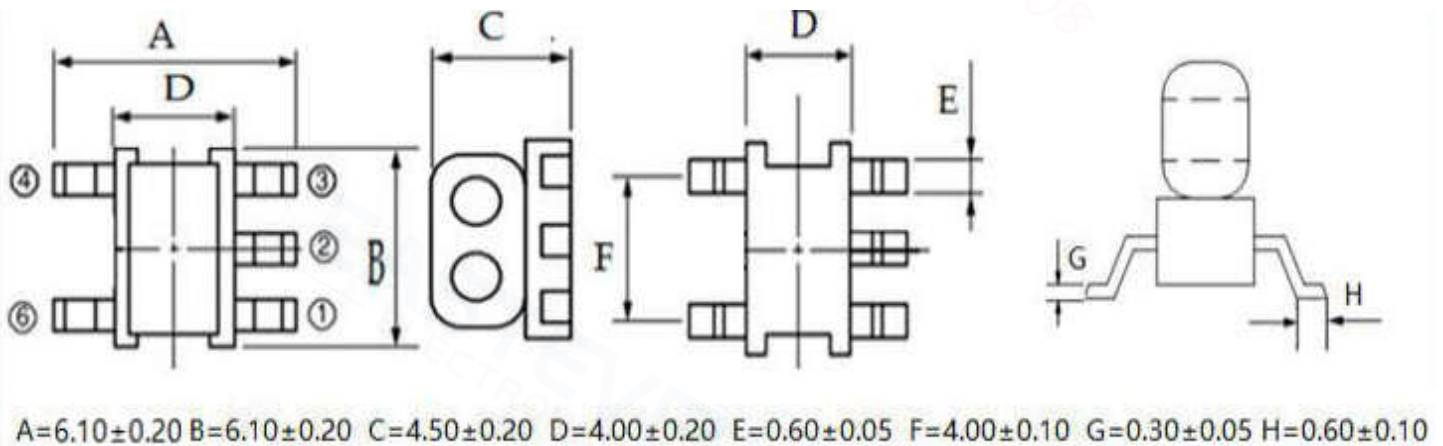
- ◆ 1: 1 Impedance
- ◆ 75 Ω Characteristic Impedance
- ◆ Frequency: 5 to 100 MHz
- ◆ RF power: 0.50W
- ◆ DC current: 30mA
- ◆ Insertion loss: 2.0dB Max; Input Return loss: 10.0dB Min
- ◆ Operating temperature range: -40°C to +85°C
- ◆ Storage temperature range: -55°C to +100°C



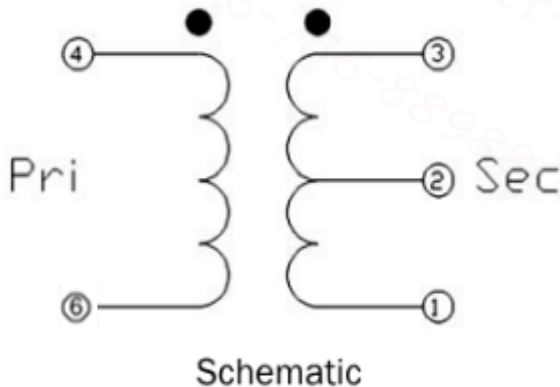
**Applications:**

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

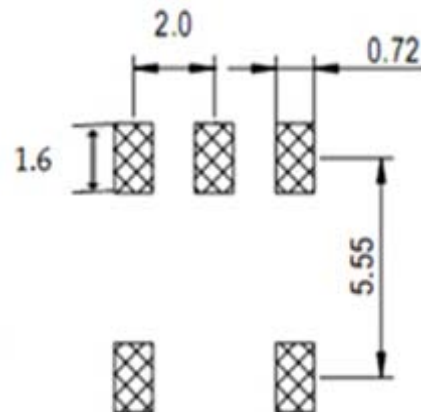
**Dimension Diagram (Unit:mm) :**



**Electrical structure:**



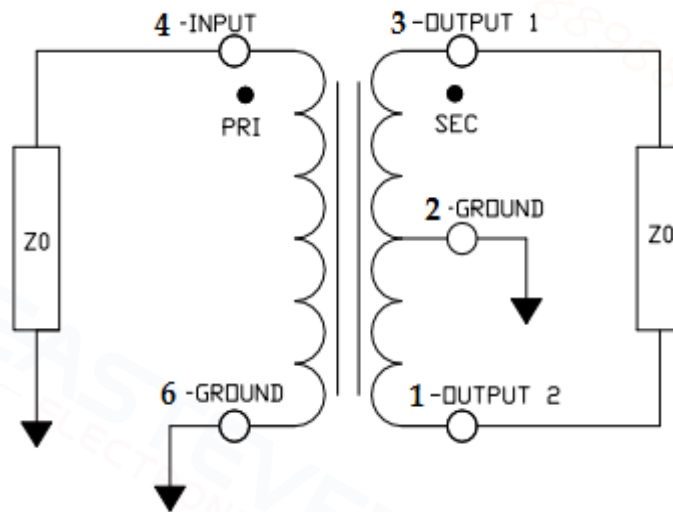
**Recommended layout:**



Pin configuration:

Pin no.	Function
1	Secondary dot (Output 1)
2	Not connected
3	Secondary (Output 2)
4	Primary (Ground)
6	Primary dot (Input)

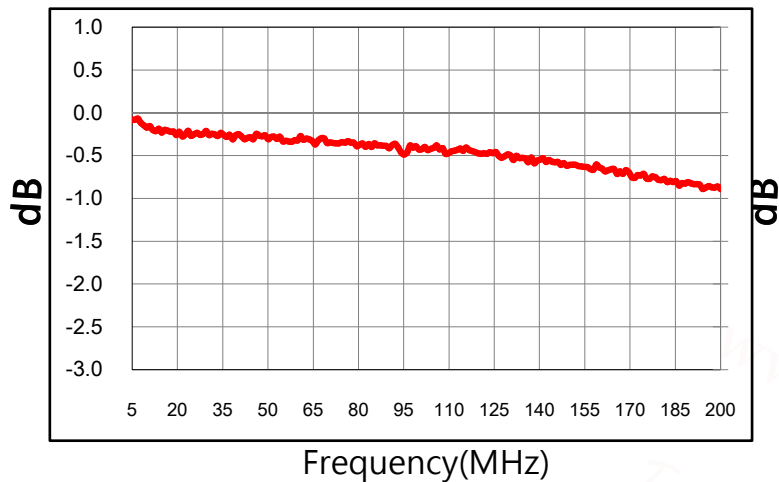
Application circuit :



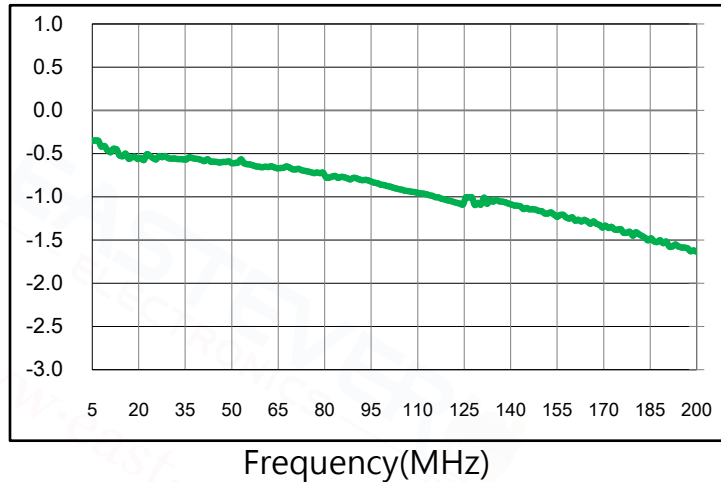
Electrical Specifications:  $T_A=25^{\circ}\text{C}$ , 0dBm,  $Z_0=75\Omega$

Parameter	Test Conditions	Units	Min	Typ	Max
Main line Loss(out1)	5-100MHz	dB	—	0.5	1.5
Main line Loss(out2)	5-100MHz	dB	—	1.0	2.0
Amplitude Balance	5-100MHz	dB	—	$\pm 0.5$	$\pm 0.5$
Phase Balance	5-100MHz	Degrees	—	$\pm 1.0$	$\pm 3.0$
Input Return Loss	5-100MHz	dB	10.0	15.0	—

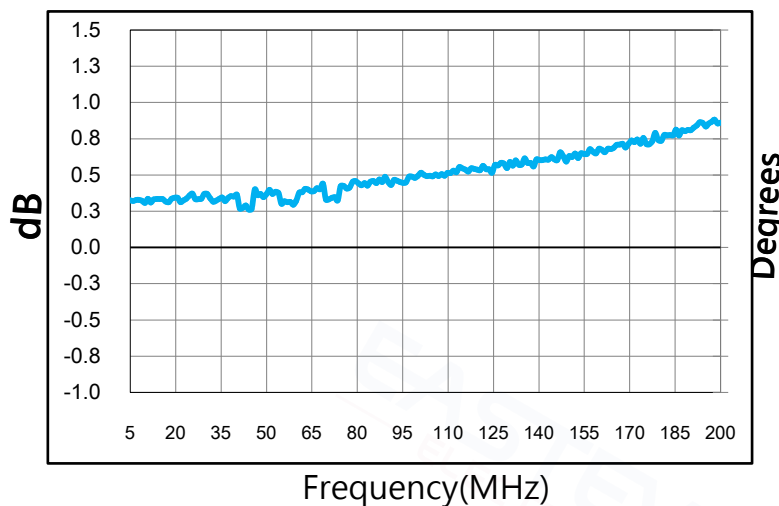
Main line Loss(out1)



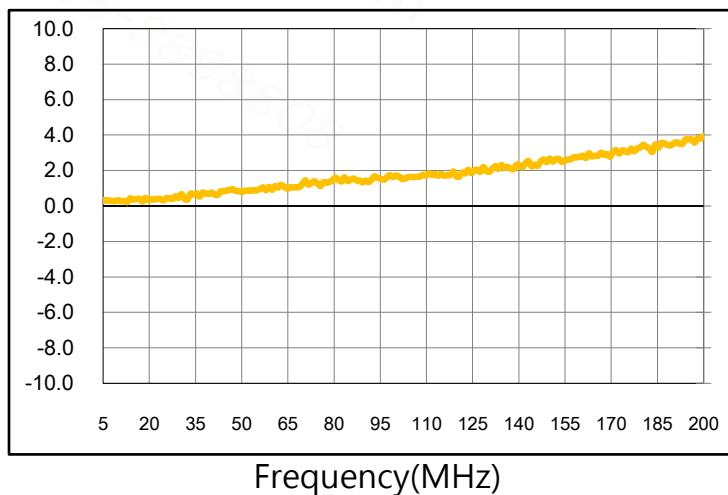
Main line Loss(out2)



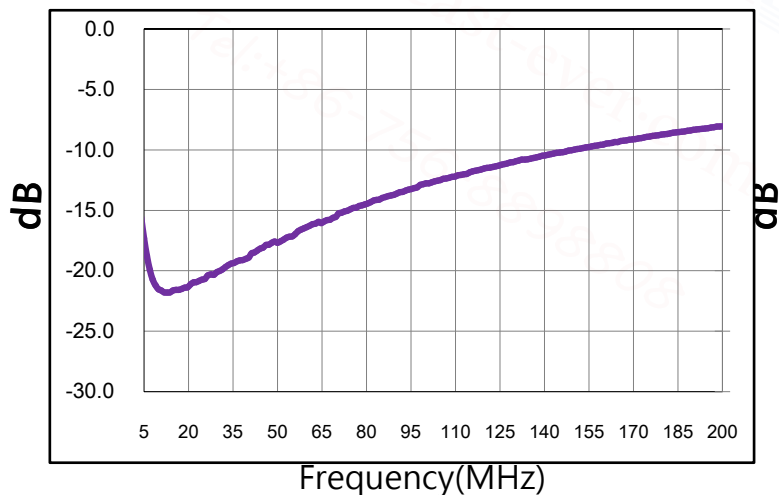
Amplitude Balance



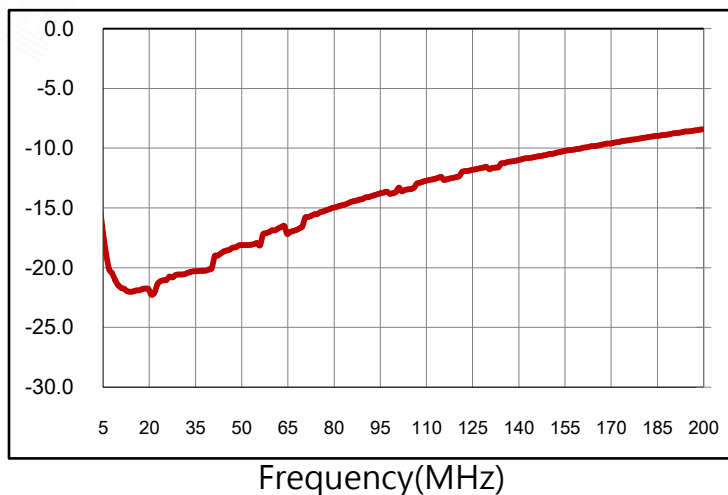
Phase Balance



Input Return Loss

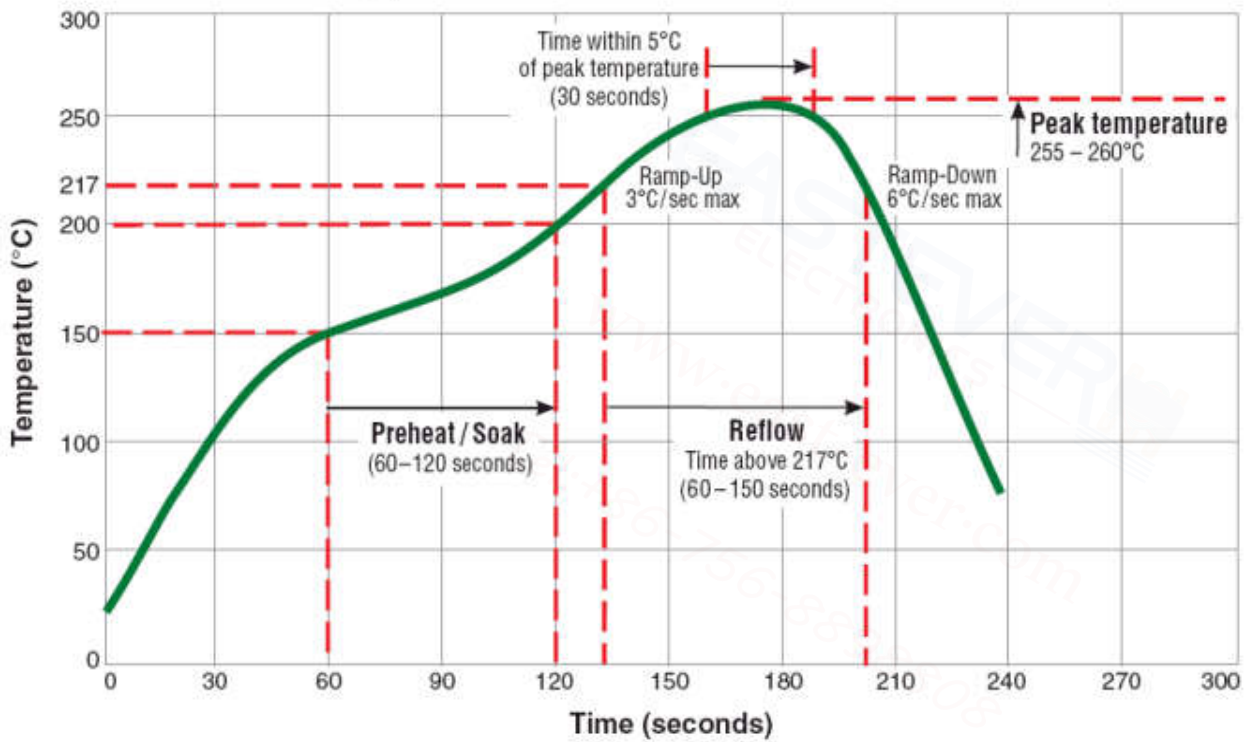


Sdd22

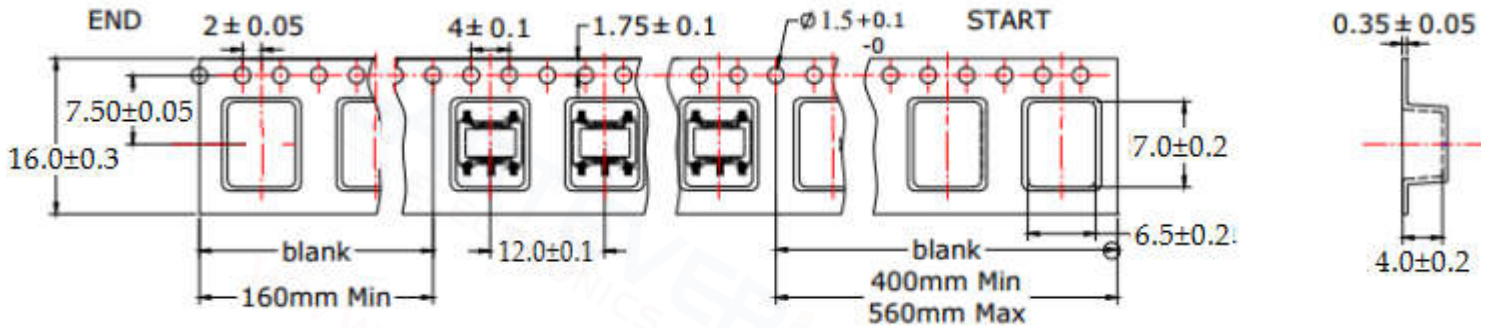


**Recommended Soldering Temperature Graph:**

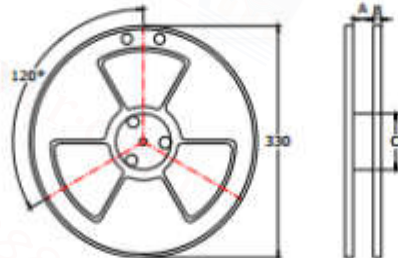
**Typical RoHS Reflow Profile**



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



<b>QUANTITY</b>
1000PCS/Reel
3Reels/Middle Carton Middle Carton:
4 Middle Cartons/Big Carton
12000PCS/ 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

