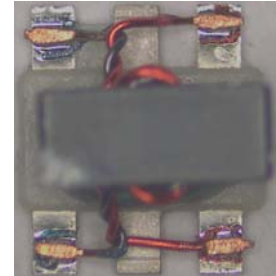


**Features:**



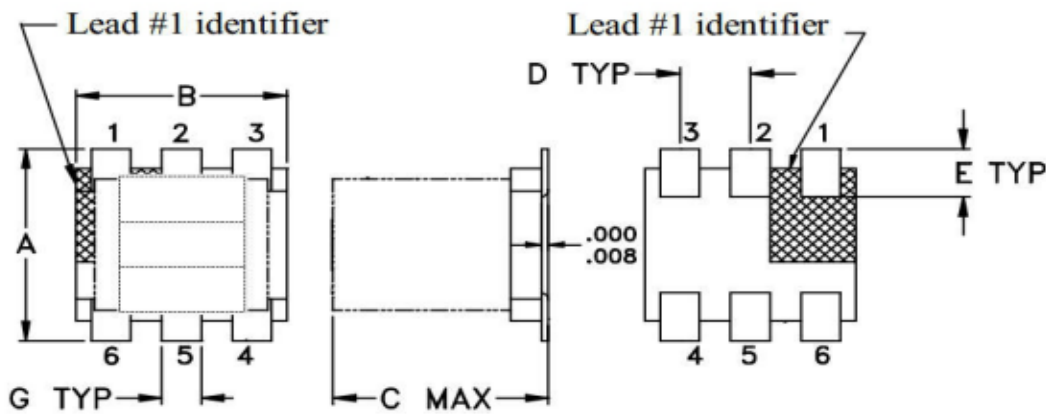
- ◆ 1: 1CT Impedance
- ◆ 50Ω Characteristic Impedance
- ◆ Frequency: 5to4000 MHz
- ◆ RF power: 0.25W
- ◆ DC current: 30mA
- ◆ Operating temperature range: -40°C to +85°C
- ◆ Storage temperature range: -55°C to +100°C



**Applications:**

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

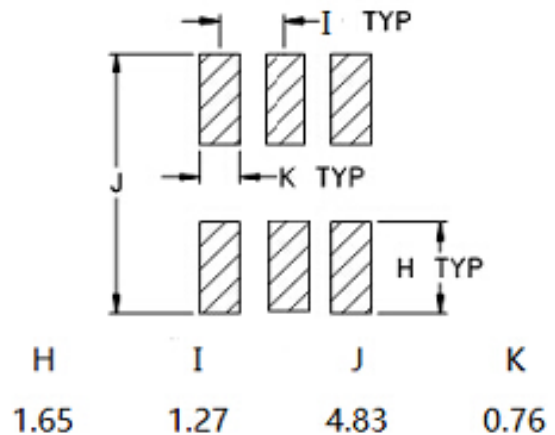
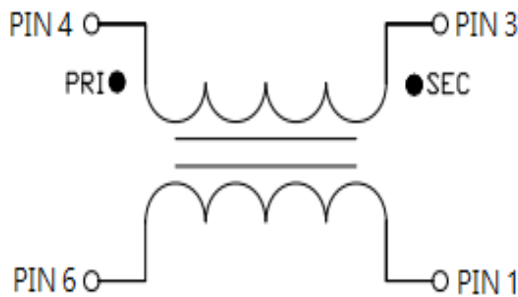
**Dimension Diagram (Unit:mm) :**



A=4.20±0.20    B=3.80±0.20    C=2.80±0.20    D=1.27±0.05    E=0.70±0.05

**Electrical structure:**

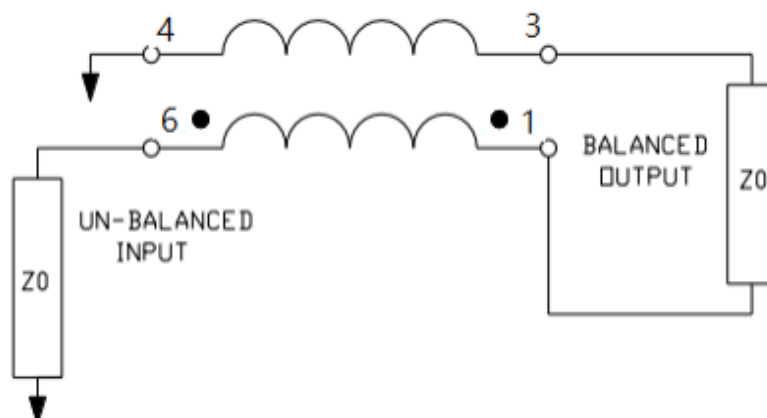
**Recommended layout:**



## Pin configuration

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

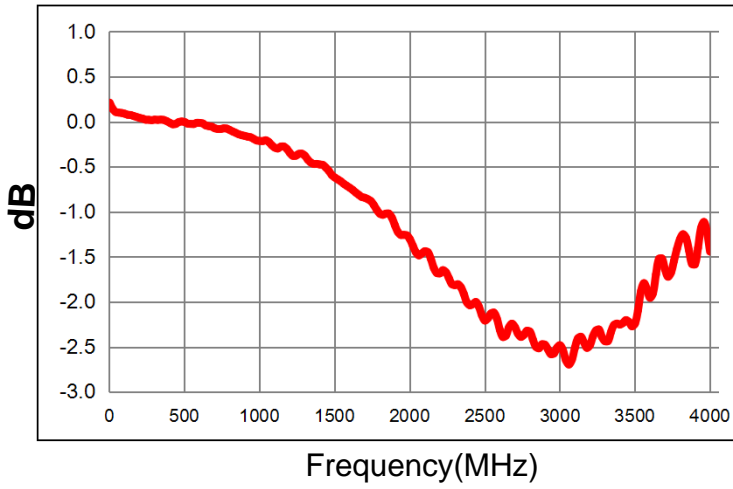
## Application circuit :



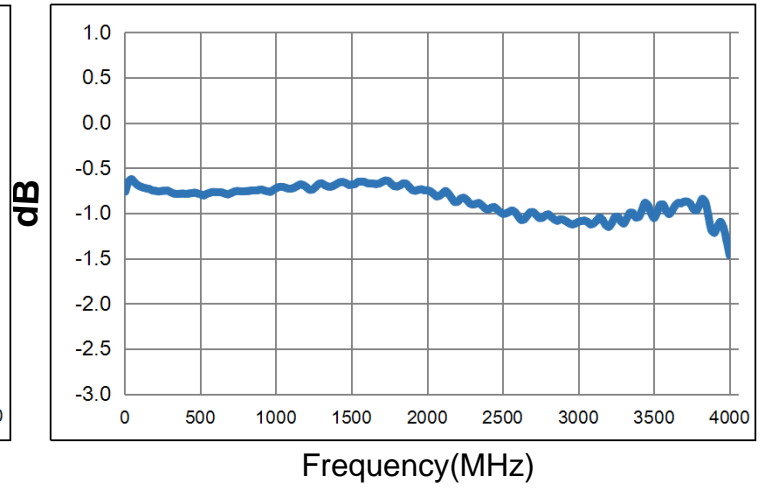
Electrical Specifications:  $T_A = 25^\circ\text{C}$   $Z_0 = 50\Omega$ ,

Parameter	Test Conditions	Units	Min	Typ	Max
Main line Loss(out1)	5-4000MHz	dB	—	2.00	4.00
Main line Loss(out2)	5-4000MHz	dB	—	1.50	3.00
Amplitude Balance	5-4000MHz	dB	—	2.00	3.00
Phase Balance	5-4000MHz	Degrees	—	15.00	30.00
Input Return Loss	5-4000MHz	dB	5.00	18.00	—

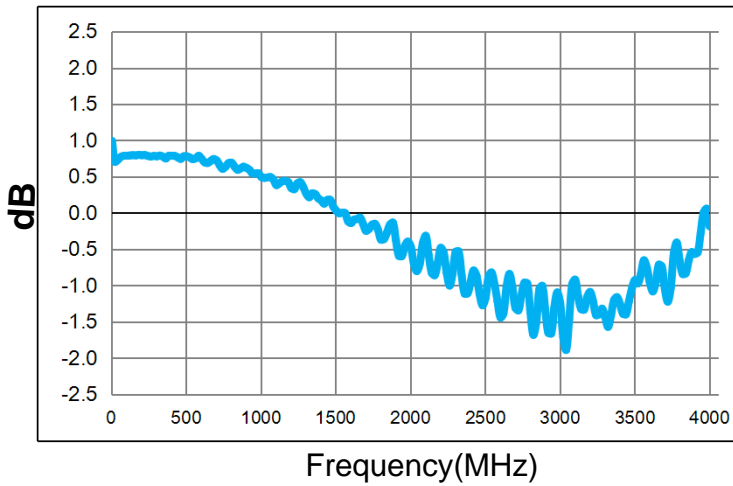
### Main line Loss(out1)



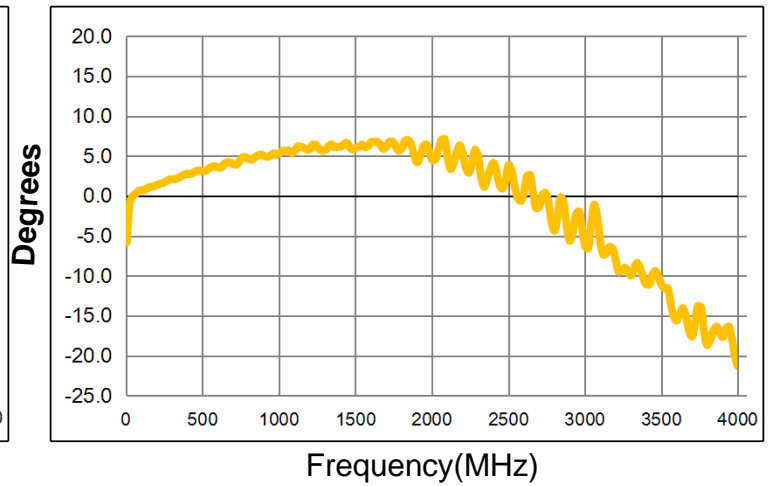
### Main line Loss(out2)



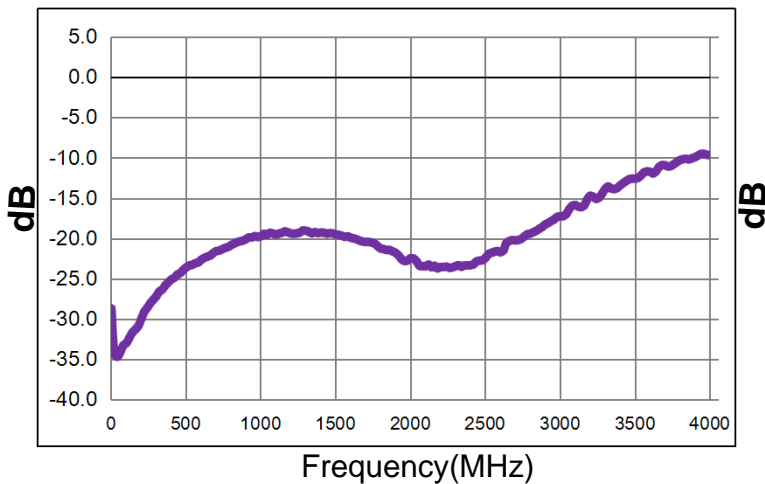
### Amplitude Balance



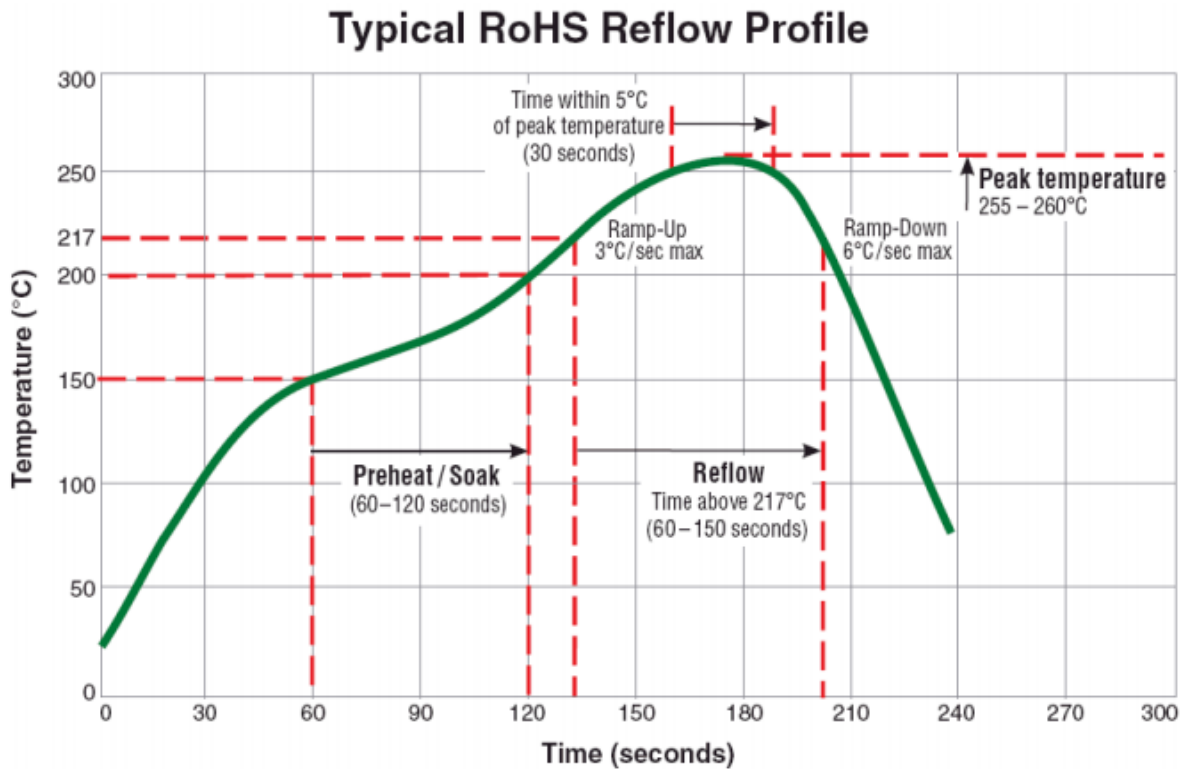
### Phase Balance



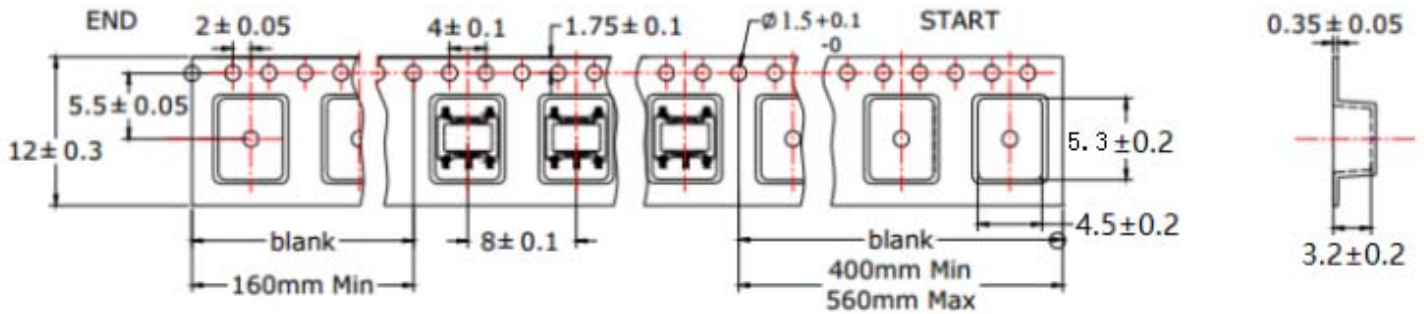
### Input Return Loss



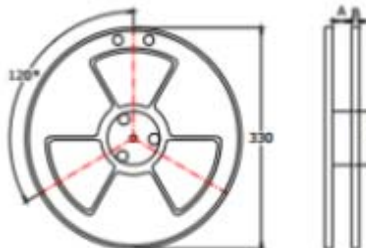
**Recommended Soldering Temperature Graph:**



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



<b>QUANTITY</b>
2000PCS/Reel
4Reels/Middle Carton Middle Carton:
4 Middle Cartons/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

