

Features:



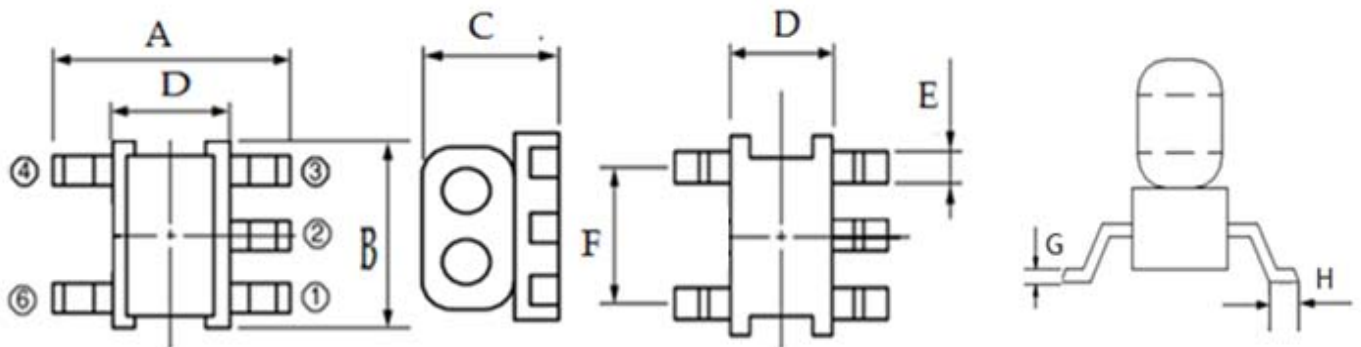
- ◆ 1: 1 Impedance
- ◆ 50Ω Characteristic Impedance
- ◆ Frequency: 4.5to3000 MHz
- ◆ RF power: 0.50W
- ◆ DC current: 30mA
- ◆ Insertion loss: 3.5dB Max; Input Return loss: 10.0dB Min
- ◆ Operating temperature range: -40°C to +85°C
- ◆ Storage temperature range: -55°C to +100°C



Applications:

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

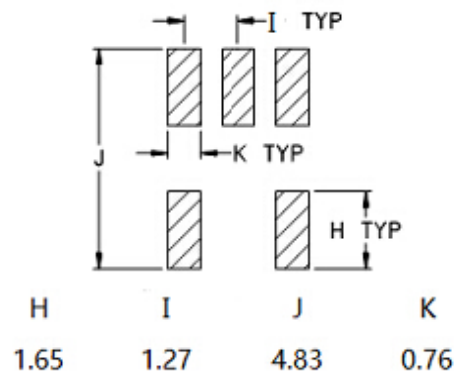
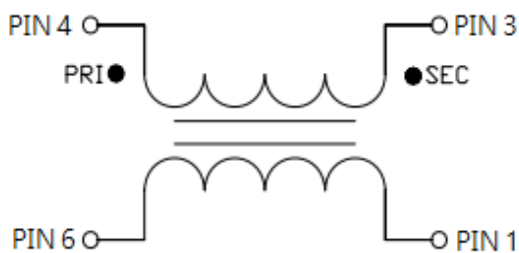
Dimension Diagram (Unit:mm) :



A=4.10±0.20 B=3.80±0.20 C=3.20±0.20 D=2.80±0.20 E=0.55±0.05 F=2.54±0.05 G=0.25±0.05 H=0.60±0.05

Electrical structure:

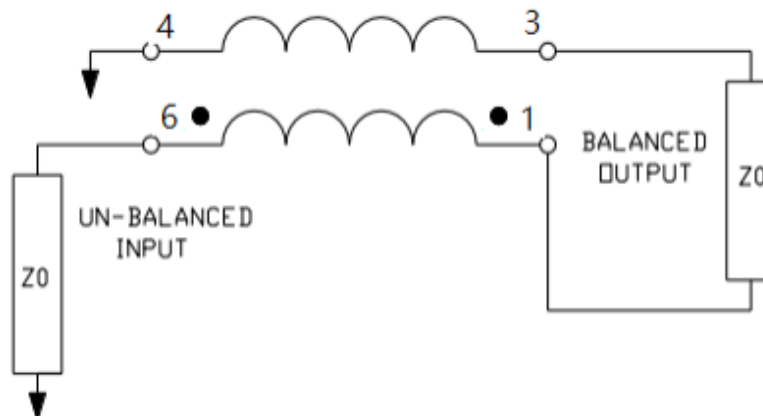
Recommended layout:



Pin configuration

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

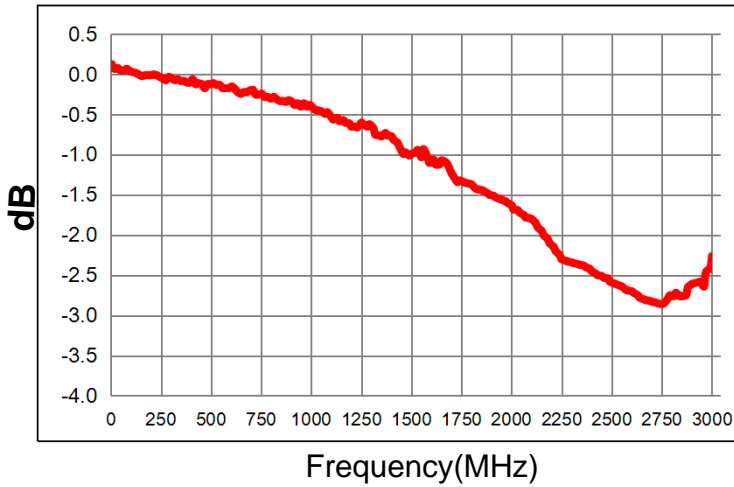
Application circuit :



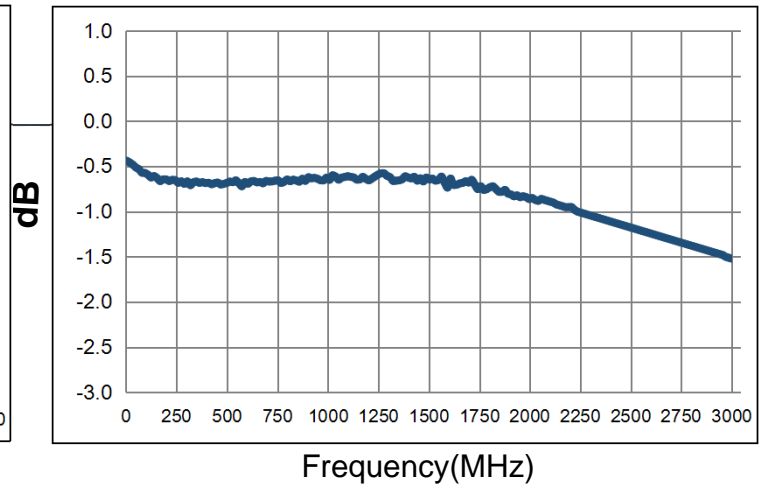
Electrical Specifications: $T_A = 25^\circ\text{C}$ $Z_0 = 50\Omega$,

Parameter	Test Conditions	Units	Min	Typ	Max
Main line Loss(out1)	4.5-3000MHz	dB	—	1.50	3.50
Main line Loss(out2)	4.5-3000MHz	dB	—	0.70	3.50
Amplitude Balance	4.5-3000MHz	dB	—	± 0.50	± 1.00
Phase Balance	4.5-3000MHz	Degrees	—	± 5.70	± 10.00
Input Return Loss	4.5-3000MHz	dB	9.00	15.00	—

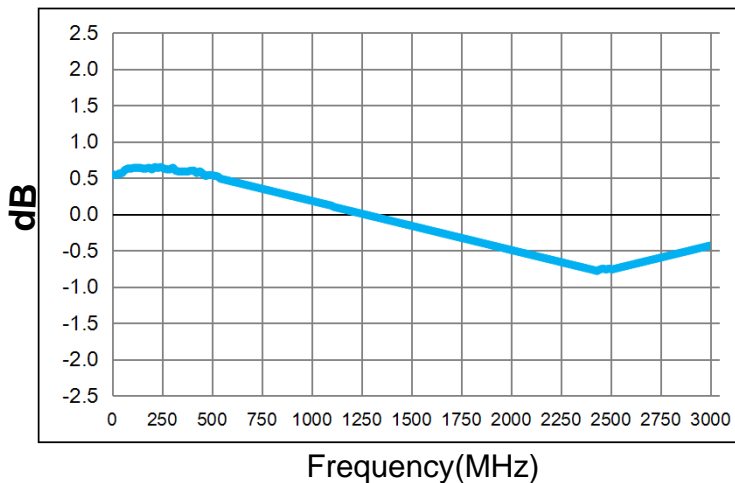
Main line Loss(out1)



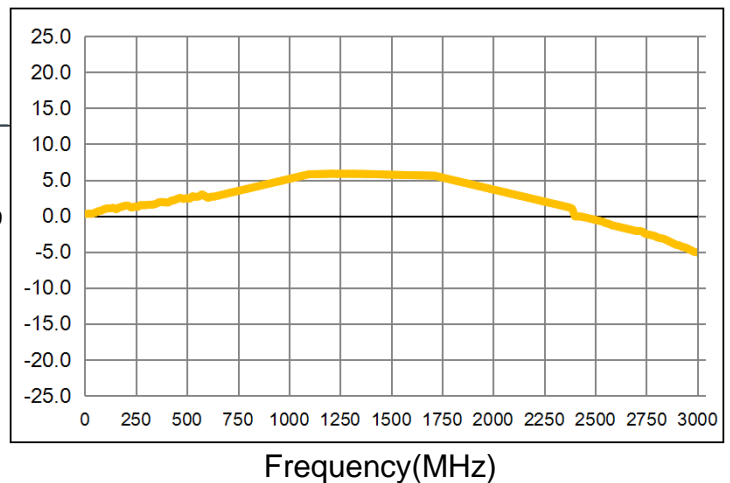
Main line Loss(out2)



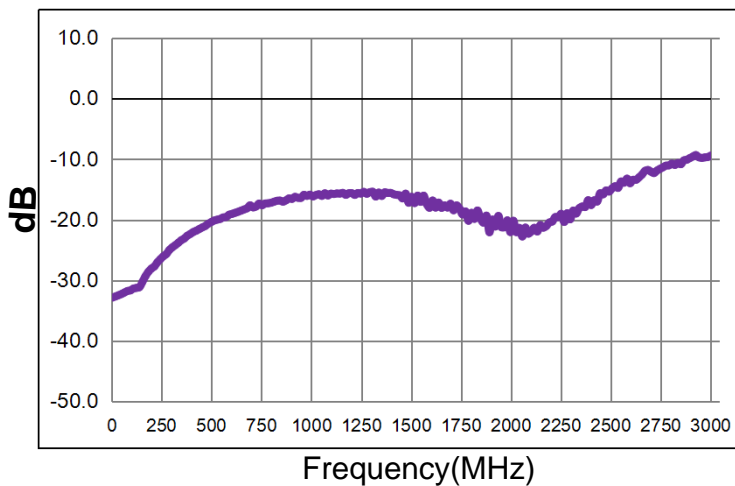
Amplitude Balance



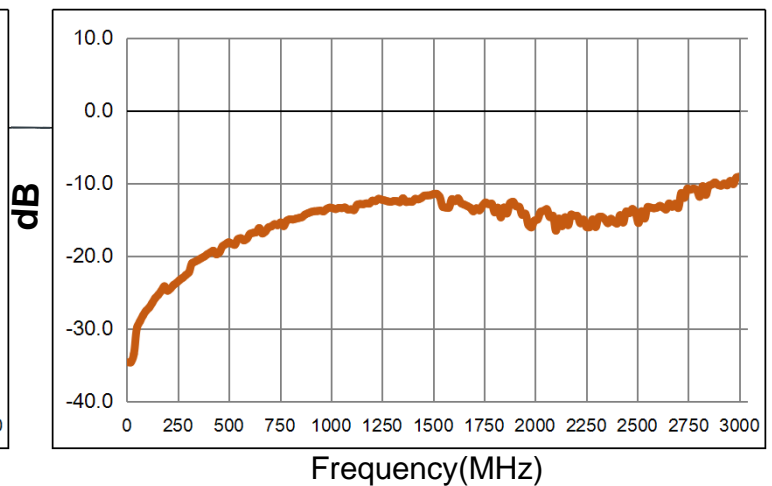
Phase Balance



Input Return Loss

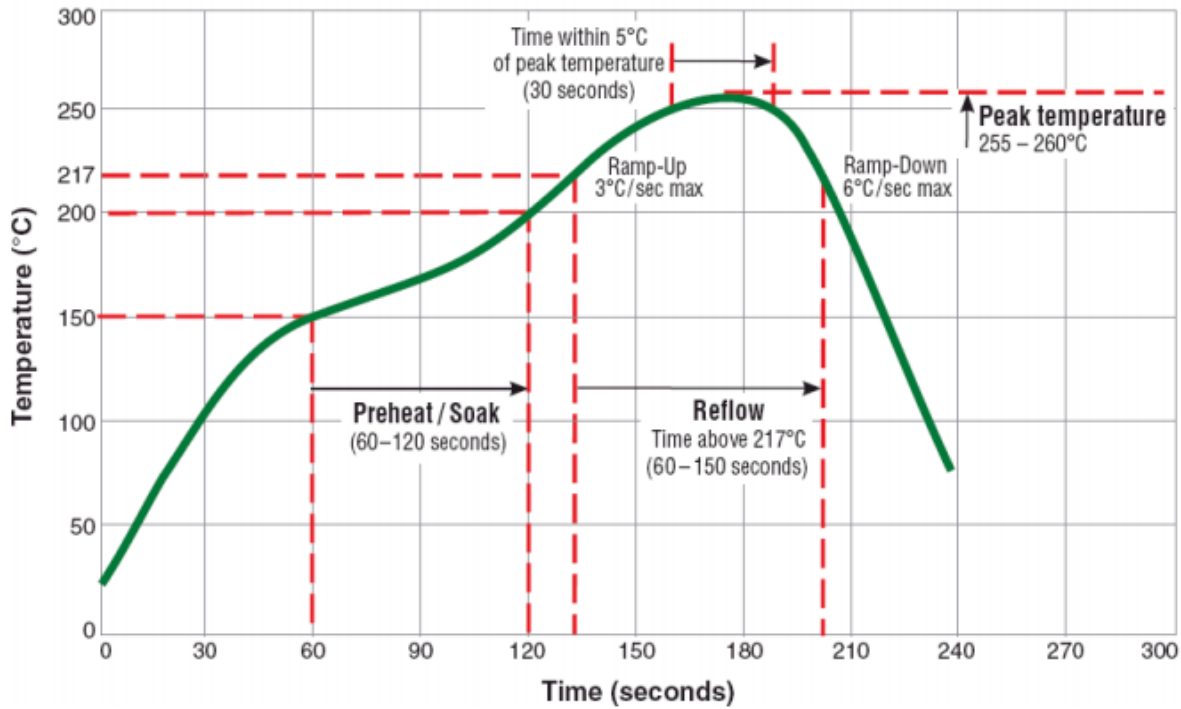


Sdd22

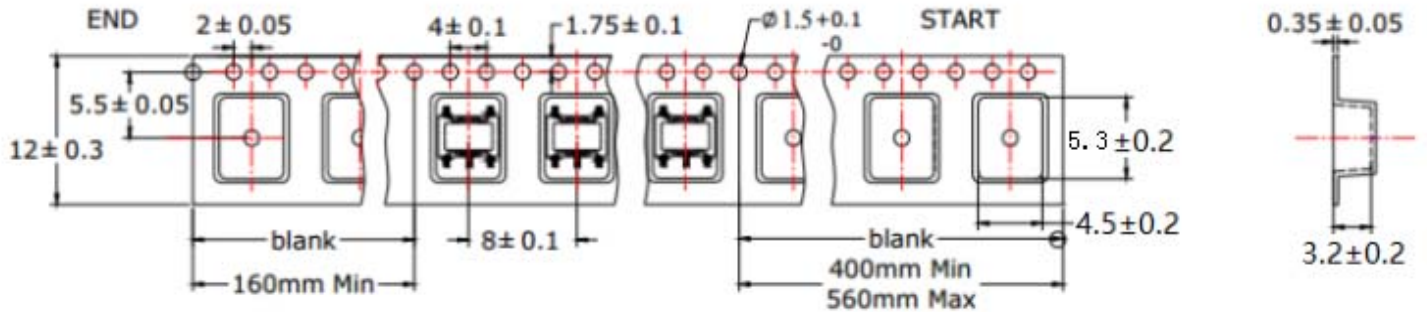


Recommended Soldering Temperature Graph:

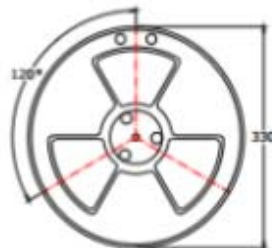
Typical RoHS Reflow Profile



Packaging Dimension For Caeier Tape(UNIT:mm):



QUANTITY
2000PCS/Reel
4 Reels/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

