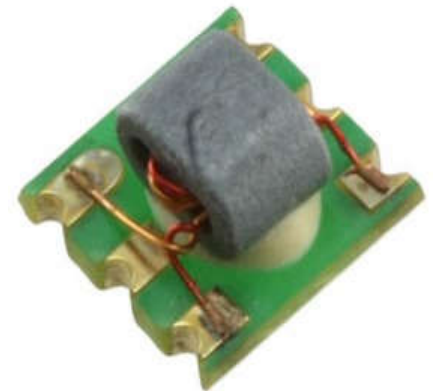


Features::

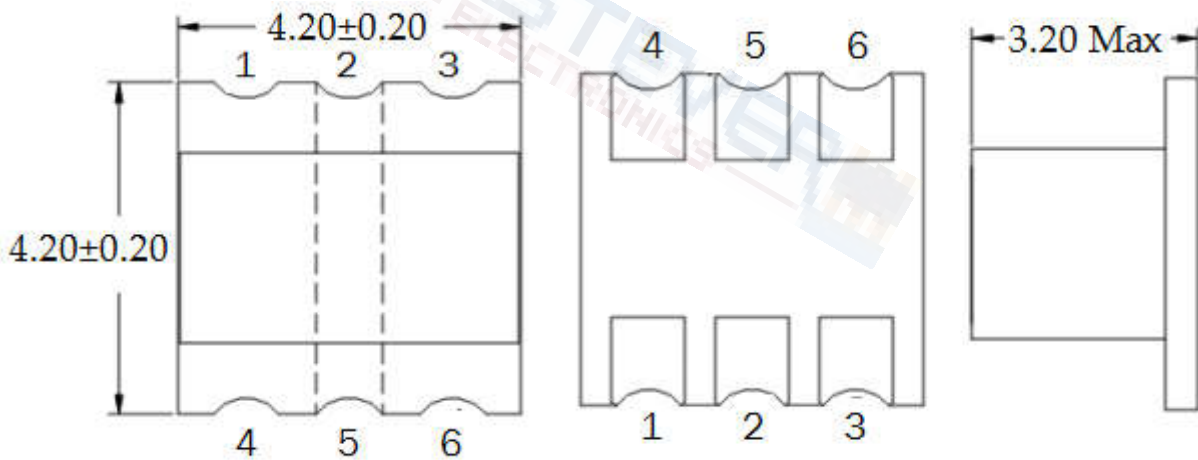
- ◆ Equivalent to: MABA-009231-CT1A4B
- ◆ 50Ω Characteristic Impedance
- ◆ Frequency: 5to 1200 MHz
- ◆ RF power: 0.25W
- ◆ DC current: 50mA
- ◆ Insertion loss: 2.4dB Max; Input Return loss: 7.0dB Min
- ◆ Operating temperature range: -40°C to +85°C
- ◆ Storage temperature range: -55°C to +100°C



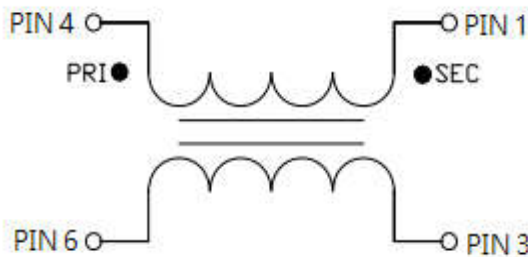
Applications:

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

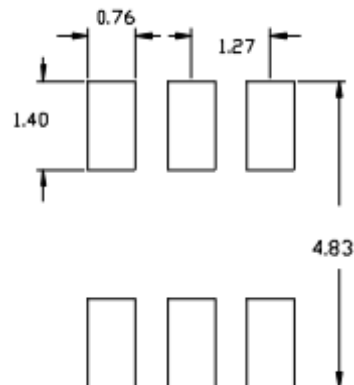
Dimension Diagram (Unit:mm) :



Electrical structure:



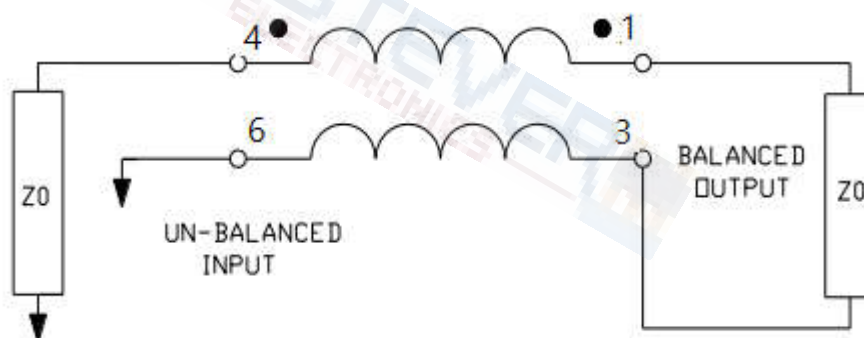
Recommended layout:



Pin configuration

Pin no.	Function
1	Secondary dot (Output 1)
2,5	Not connected
3	Secondary (Output 2)
4	Primary dot (Input)
6	Primary (Ground)

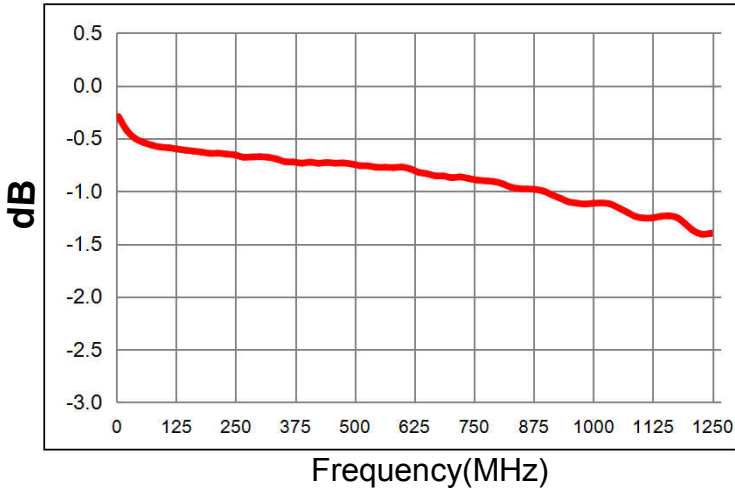
Application circuit :



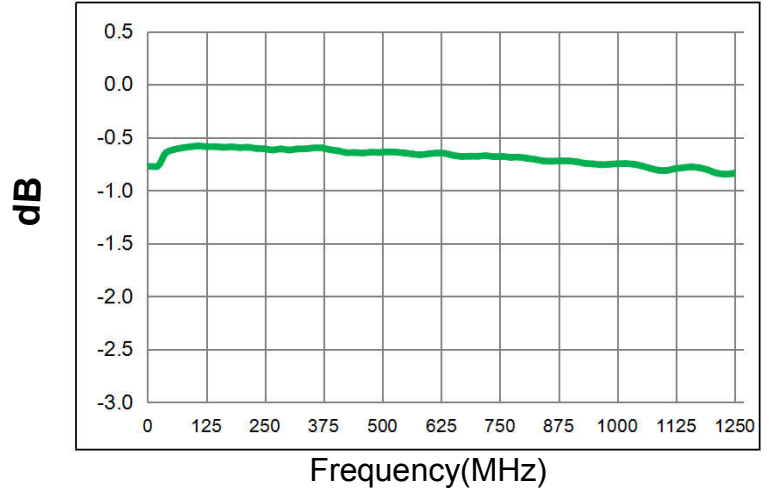
Electrical Specifications: $T_A = 25^\circ\text{C}$ $Z_0 = 50\Omega$,

Parameter	Test Conditions	Units	Min	Typ	Max
Main line Loss(out1)	5-1200MHz	dB	-	0.8	2.4
Main line Loss(out2)	5-1200MHz	dB	-	0.6	1.8
Amplitude Balance	5-1200MHz	dB	-	0.5	± 1.0
Phase Balance	5-1200MHz	Degrees	-	5.0	± 15.0
Input Return Loss	5-1200MHz	dB	7.0	20.0	—

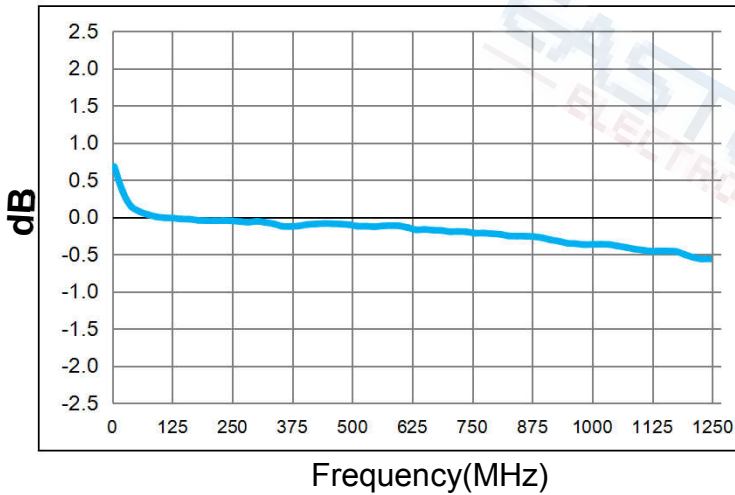
Main line Loss(out1)



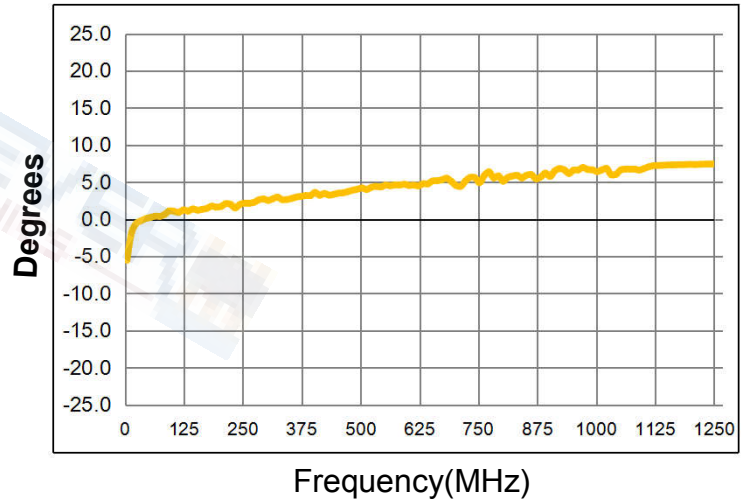
Main line Loss(out2)



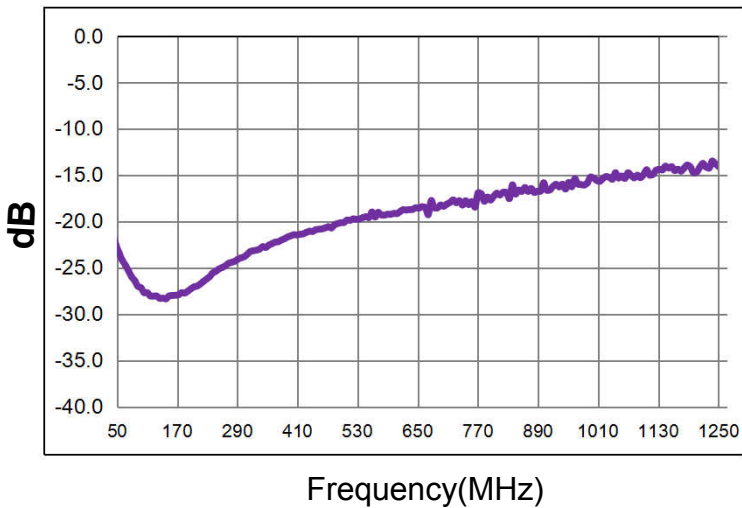
Amplitude Balance



Phase Balance

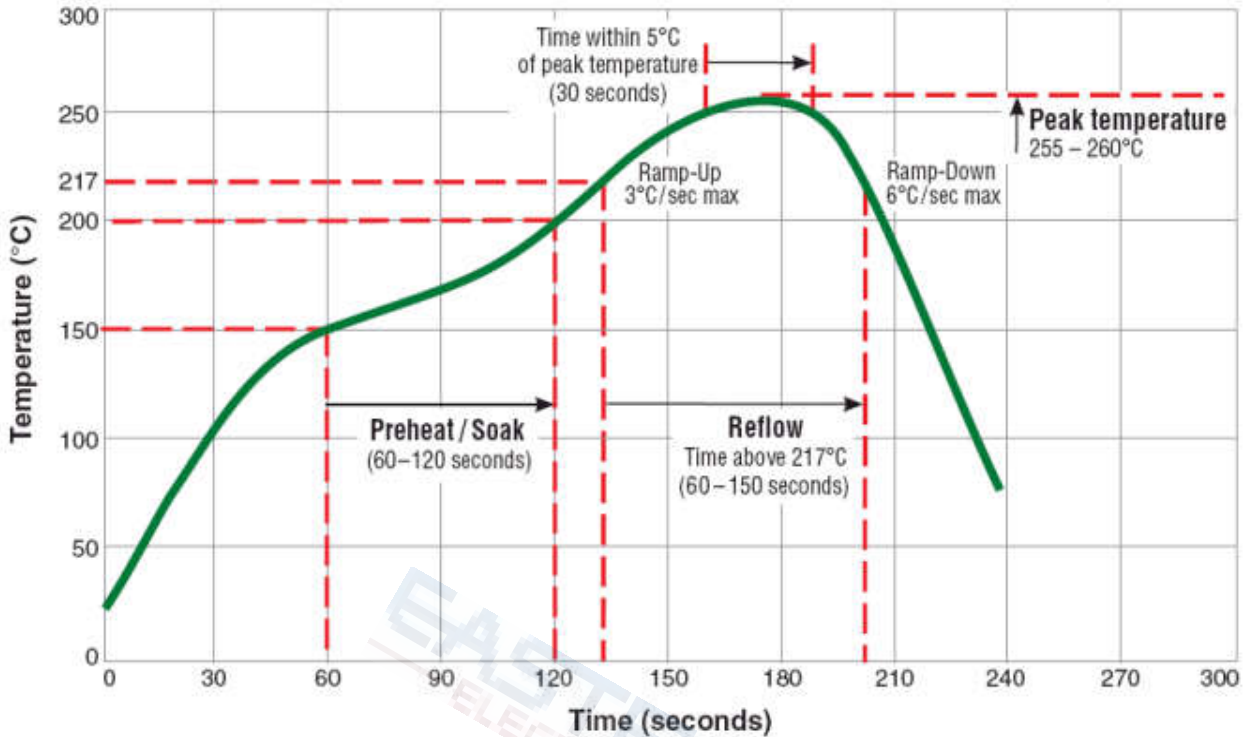


Input Return Loss

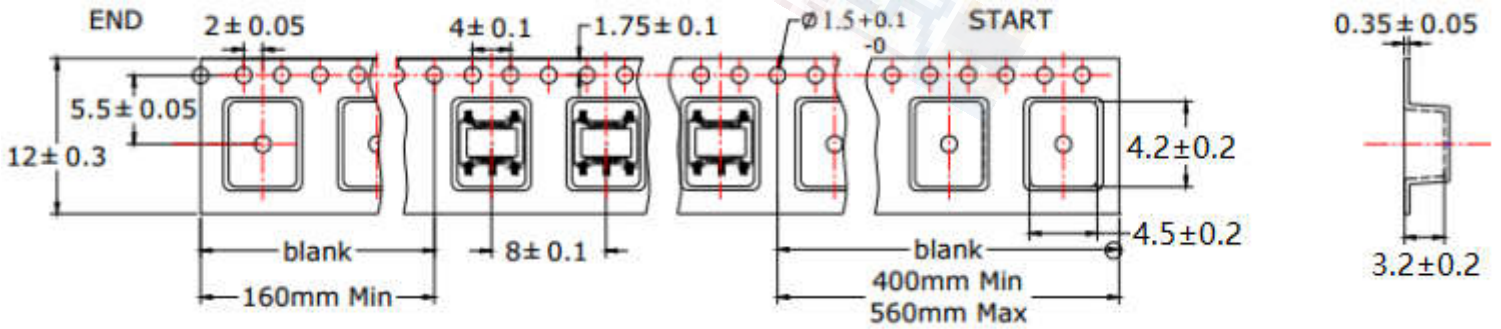


Recommended Soldering Temperature Graph:

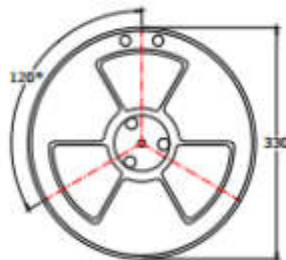
Typical RoHS Reflow Profile



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

