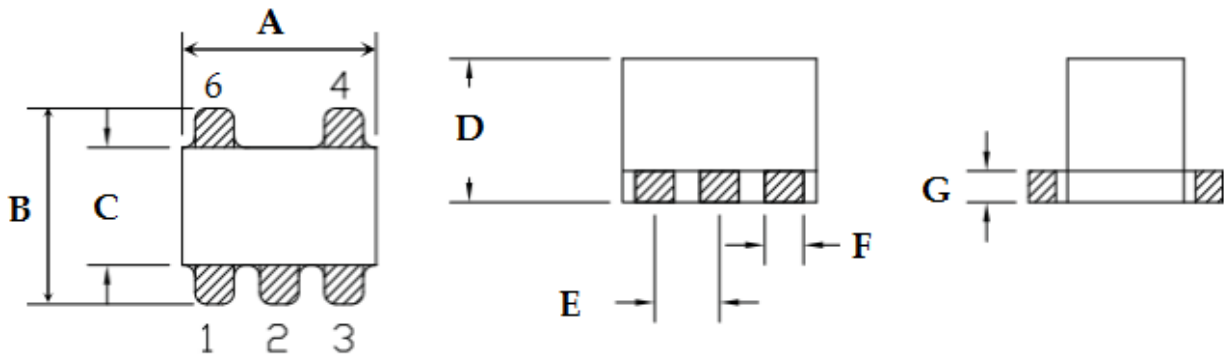


RF Balun Transformer, 1: 2CT Flux Coupled Transformer
Features:

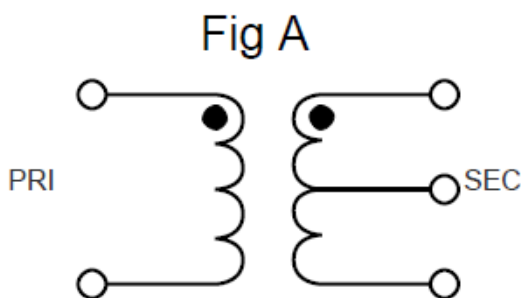
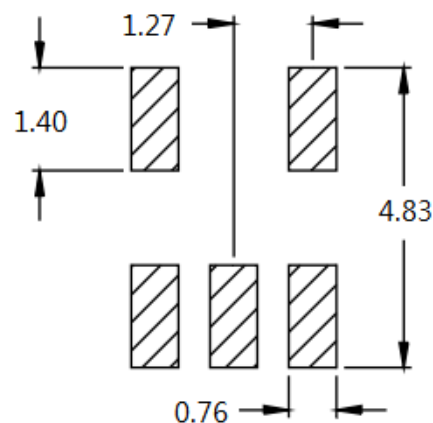
- ◆ 1: 2CT Impedance
- ◆ 50Ω Characteristic Impedance
- ◆ Frequency: 0.3to500 MHz
- ◆ RF power: 0.25W
- ◆ DC current: 30mA
- ◆ Operating temperature range: -40°C to +85°C
- ◆ Storage temperature range: -55°C to +100°C


Applications:

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

Dimension Diagram (Unit:mm) :


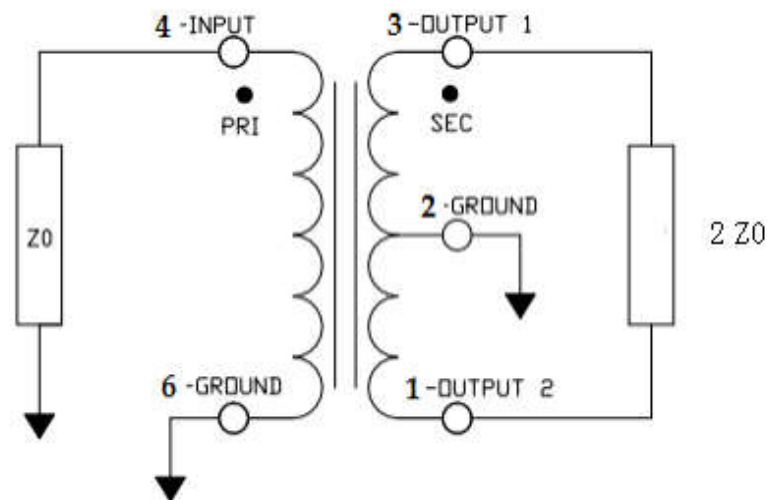
$$A=3.80\pm 0.20 \quad B=3.80\pm 0.20 \quad C=2.30\pm 0.20 \quad D=2.80\pm 0.20 \quad E=1.27\pm 0.10 \quad F=0.76\pm 0.10 \quad G=0.60\pm 0.10$$

Electrical structure:

Recommended layout:


Pin configuration:

Pin No.	Function
1	Secondary (Output 2)
2	Centre tap (Ground)
3	Secondary dot (Output 1)
4	Primary dot (Input)
6	Primary (Ground)

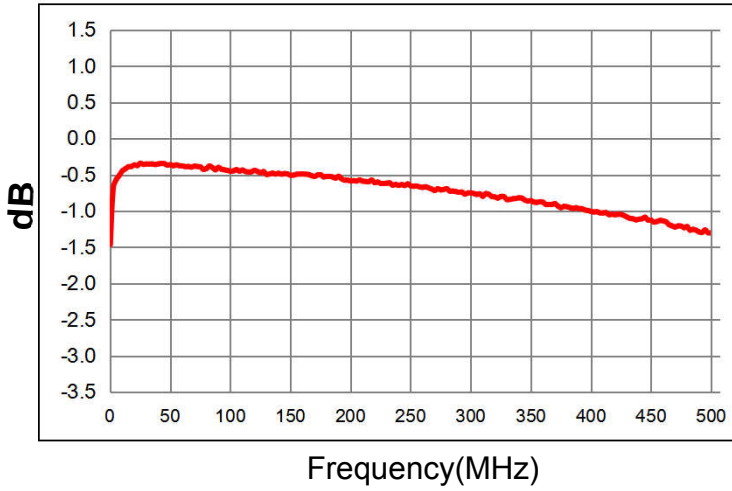
Application circuit :



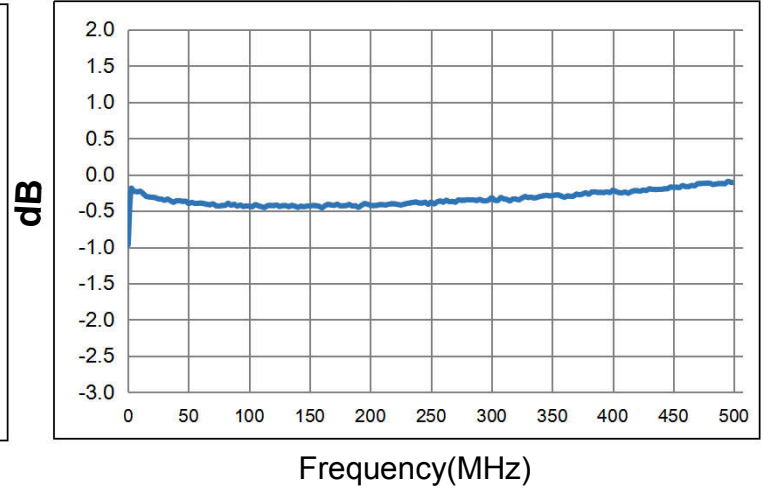
Electrical Specifications: $T_A=25^{\circ}\text{C}$ $Z_0=50\Omega$

Parameter	Test Conditions	Units	Min	Typ	Max
Main line Loss(out1)	0.3-500MHz	dB	—	1.50	2.50
Main line Loss(out2)	0.3-500MHz	dB	—	0.50	1.50
Amplitude Balance	0.3-500MHz	dB	—	± 1.5	± 2.00
Phase Balance	0.3-500MHz	$^{\circ}$	—	± 5.00	± 10.00
Input Return Loss	0.3-500MHz	dB	10.00	18.00	—

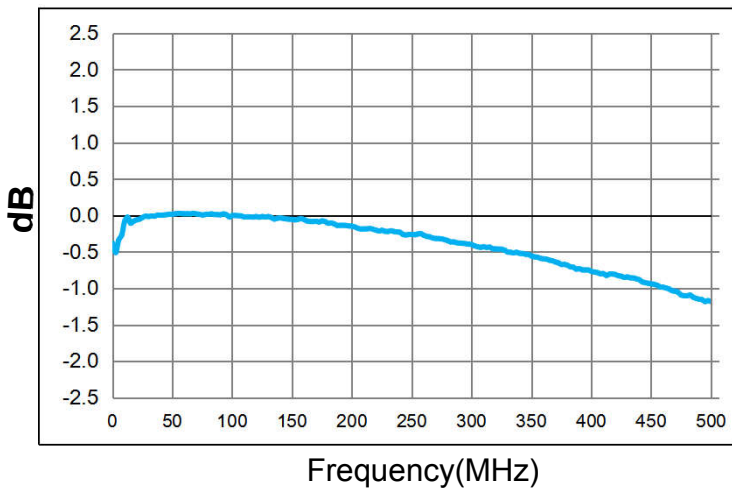
Main line Loss(out1)



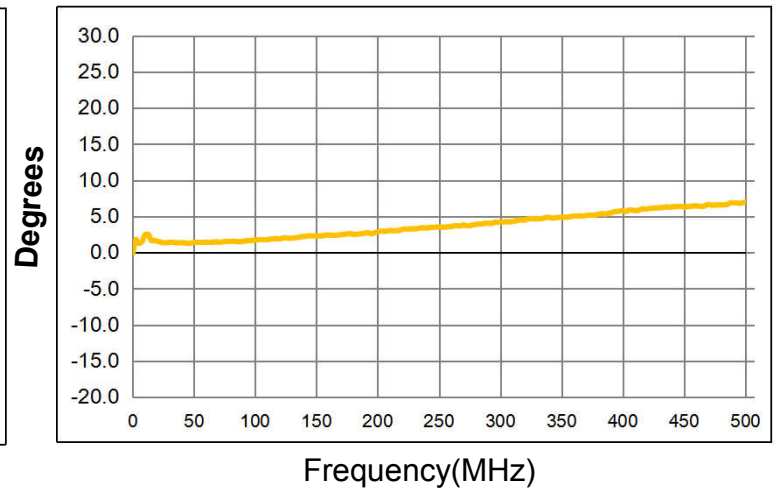
Main line Loss(out2)



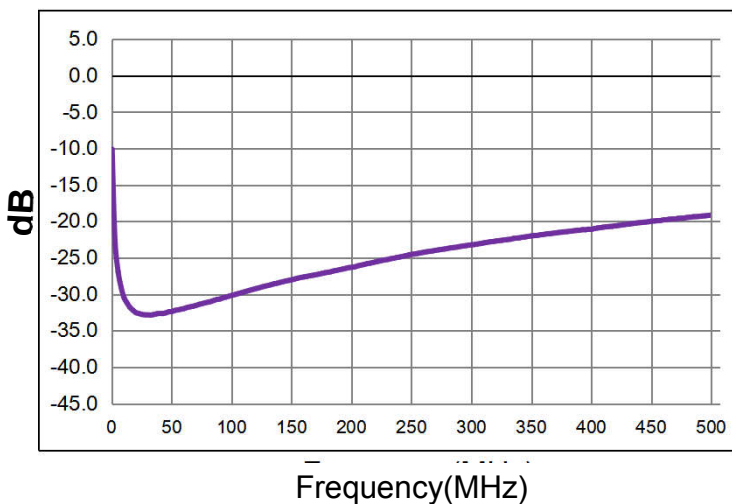
Amplitude Balance

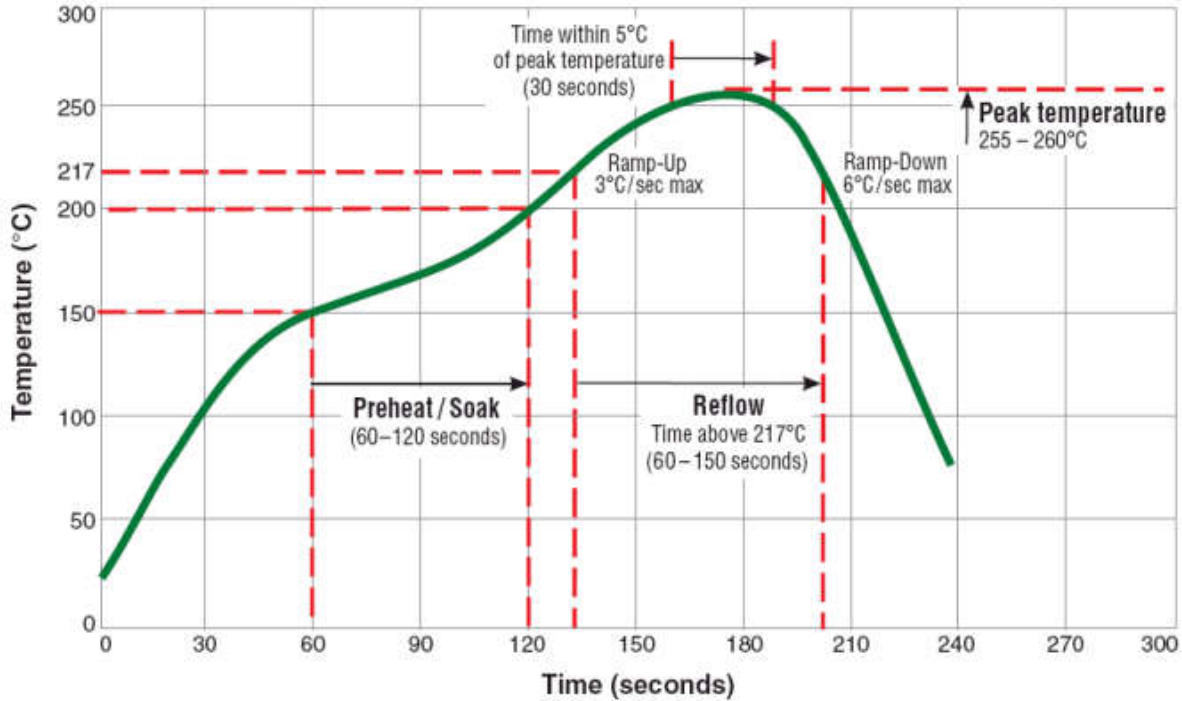
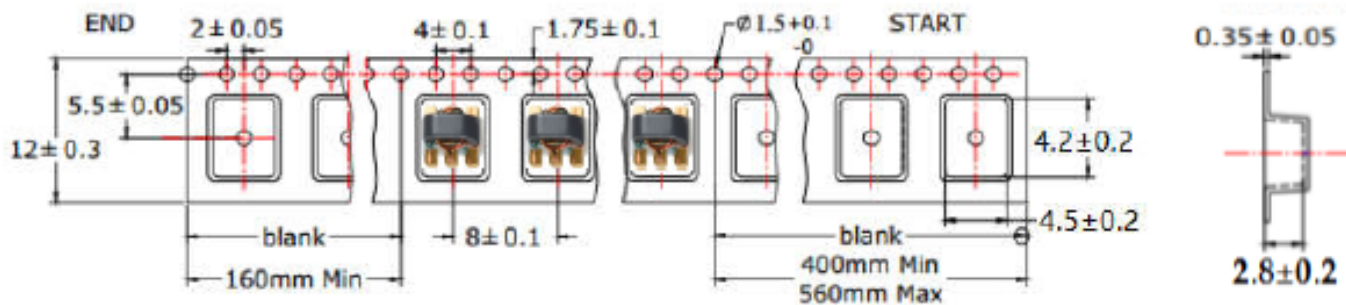


Phase Balance

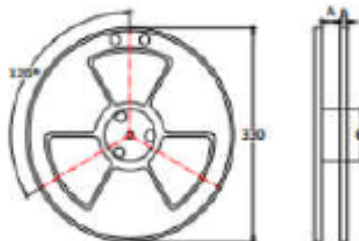


Input Return Loss



Recommended Soldering Temperature Graph:
Typical RoHS Reflow Profile

Packging 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

