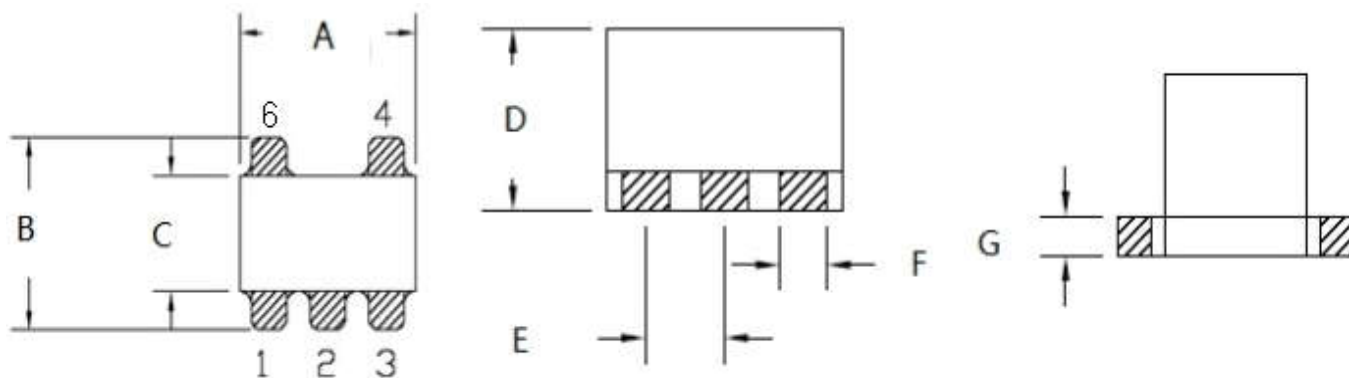


RF Balun Transformer, 1: 4CT Transmission Line Transformer
Features::

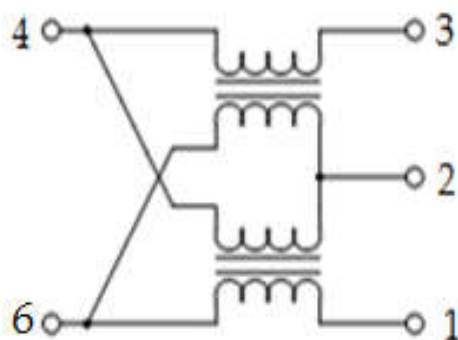
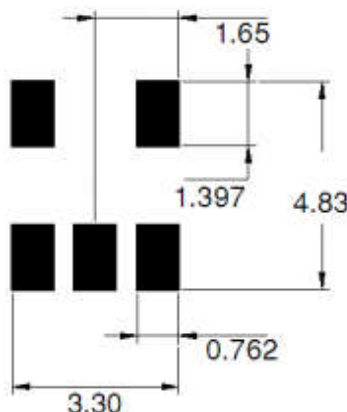
- ◆ 1: 4CT Impedance
- ◆ 50Ω Characteristic Impedance
- ◆ Frequency: 500 to 2500 MHz
- ◆ RF power: 0.50W
- ◆ DC current: 30mA
- ◆ Insertion loss: 3.5dB Max; Input Return loss: 10.0dB Min
- ◆ Operating temperature range: -40°C to +85°C
- ◆ Storage temperature range: -55°C to +100°C


Applications:

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

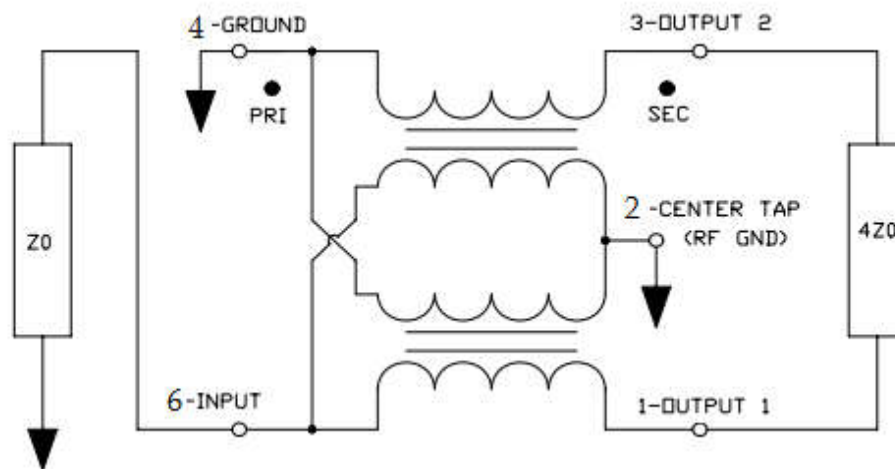
Dimension Diagram (Unit:mm) :


A=3.80±0.20 B=3.80±0.20 C=2.30±0.20 D=2.80±0.20 E=1.27±0.05 F=0.76±0.05 G=0.60±0.05

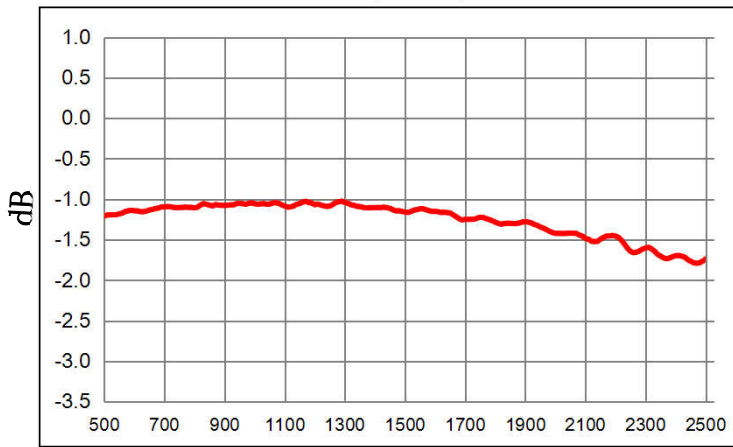
Electrical structure:

Recommended layout:


Pin configuration

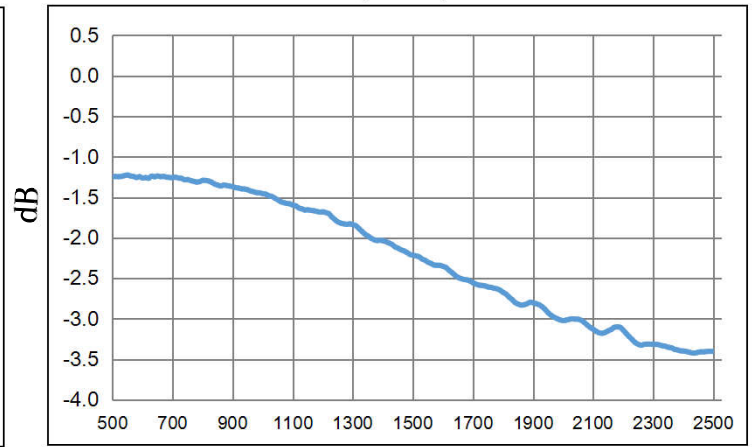
Pin no.	Function
1	Secondary (Output 1)
2	Centre tap (Ground)
3	Secondary dot (Output 2)
4	Primary dot (Ground)
6	Primary (Input)

Application circuit :

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

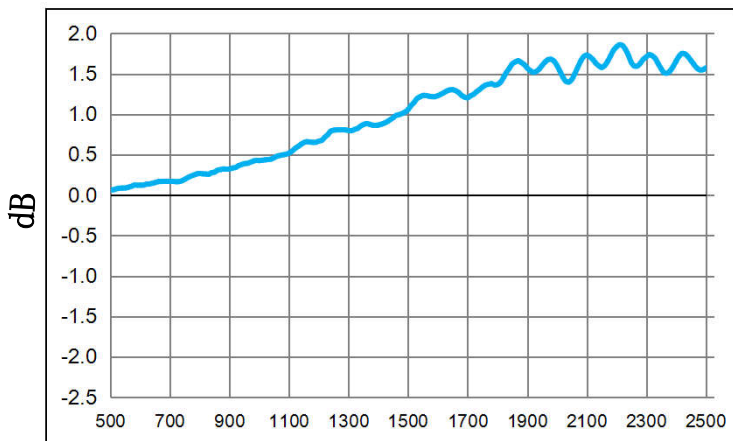
Parameter	Test Conditions	Units	Min	Typ	Max
Main line Loss(out1)	500-2500 MHz	dB	—	2.0	2.5
Main line Loss(out2)	500-2500 MHz	dB	—	3.0	3.5
Amplitude Balance	500-2500 MHz	dB	—	2.0	± 2.5
Phase Balance	500-2500 MHz	$^\circ$	—	± 8.0	± 12.0
Input Return Loss	500-2500 MHz	dB	10.0	13.0	—

Main line Loss(out1)


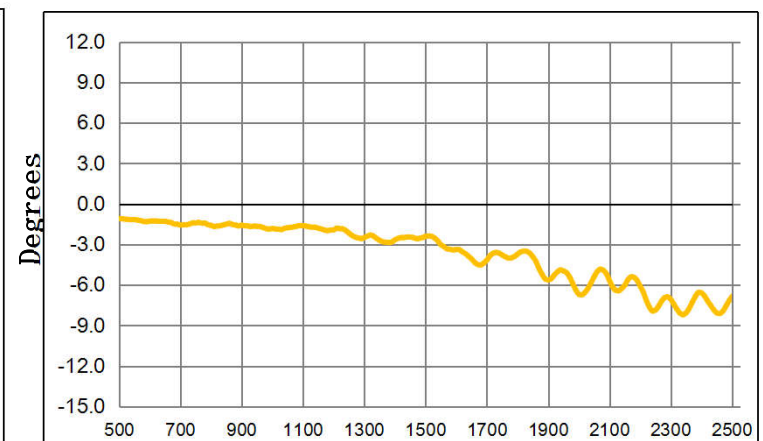
Frequency (MHz)

Main line Loss(out2)


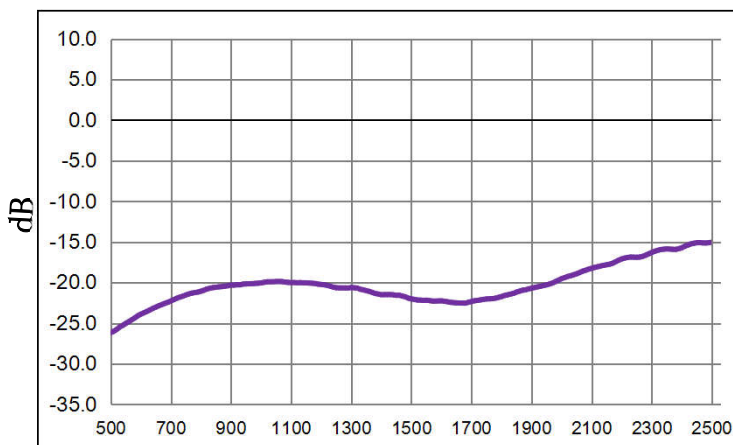
Frequency (MHz)

Amplitude Balance


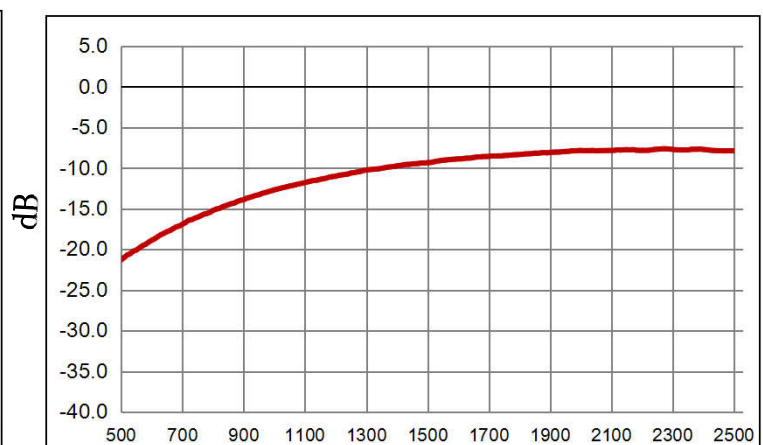
Frequency (MHz)

Phase Balance


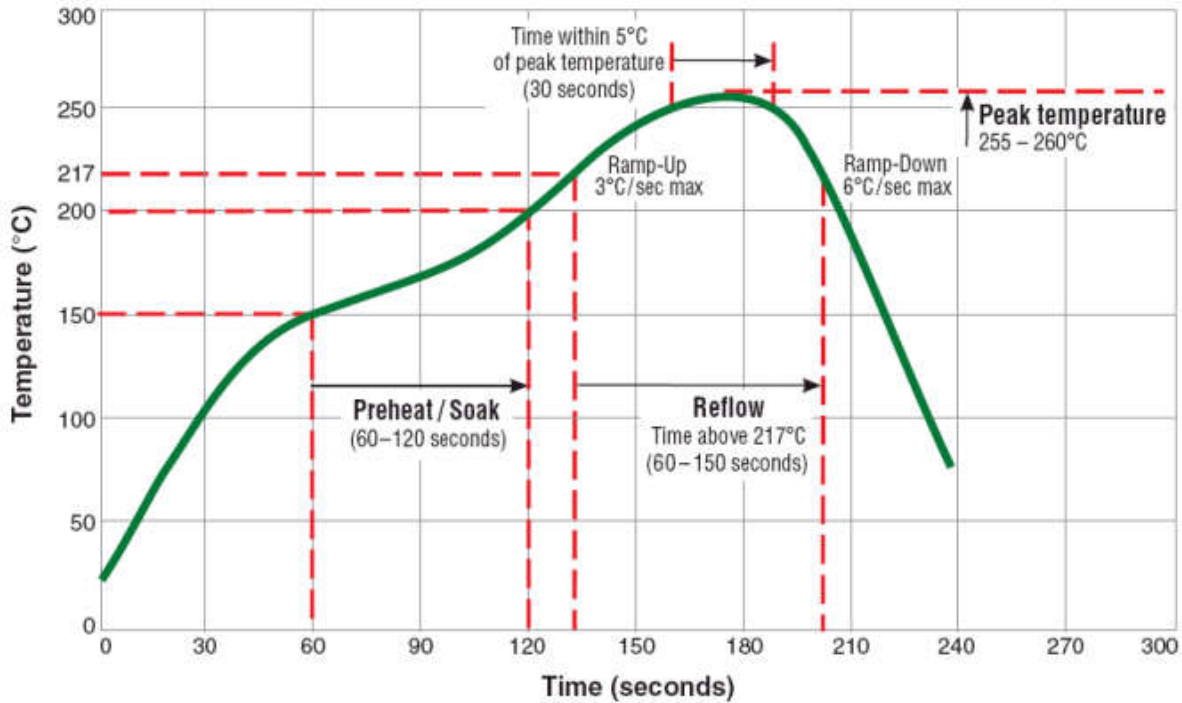
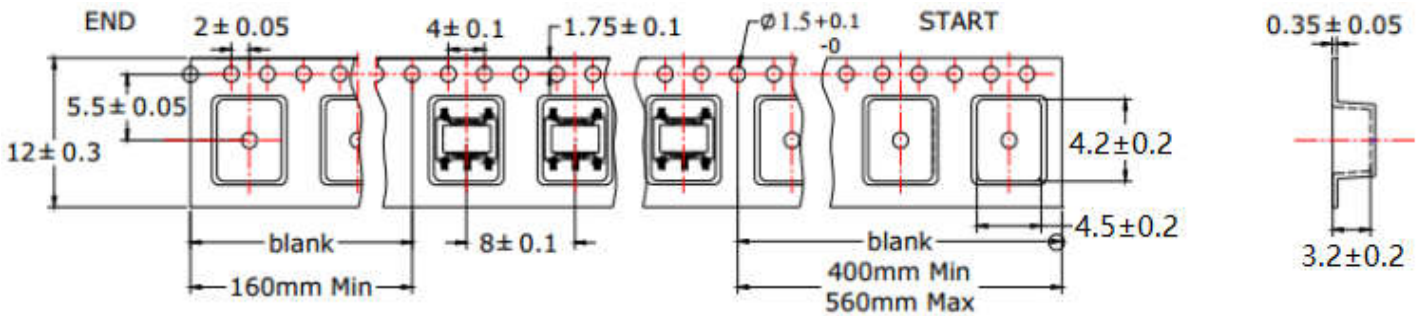
Frequency (MHz)

Input Return Loss


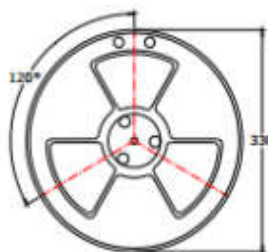
Frequency (MHz)

Sdd22


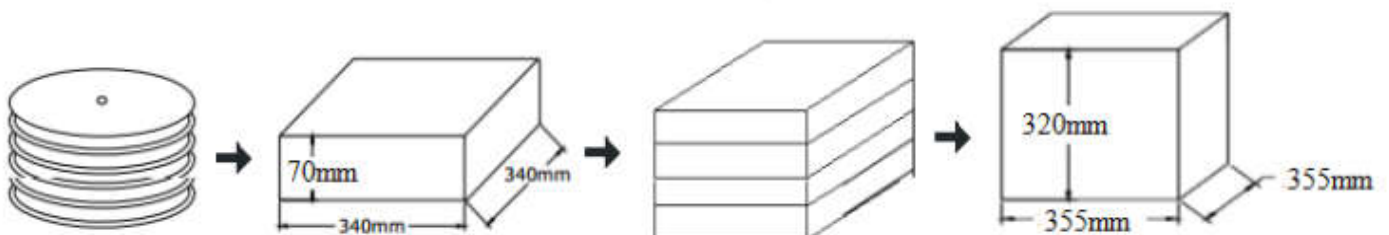
Frequency (MHz)

Recommended Soldering Temperature Graph:
Typical RoHS Reflow Profile

Packing Dimension For Caeier Tape(UNIT:mm):


QUANTITY
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



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[BD1222J50200AHF](#) [BD1722J50100AHF](#) [2450DP39K5400E](#) [BD0810J50150AHF](#) [BD1722J50200AHF](#) [DS-327-PIN](#) [MACP-008125-](#)
[CK07F0](#) [DS-329-PIN](#) [DS-313-PIN](#) [TP-104-PIN](#) [TP-101-PIN](#) [HH-128-PIN](#) [8594810000](#) [T-1000-N](#) [JP506S](#) [XC0900P-10S](#) [XC0900B-30S](#)
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