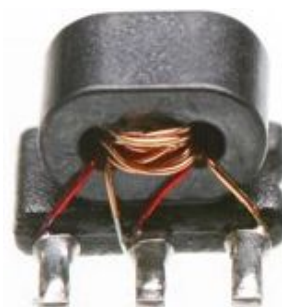


RF Balun Transformer, 1: 4CT Flux Coupled Transformer

Features::

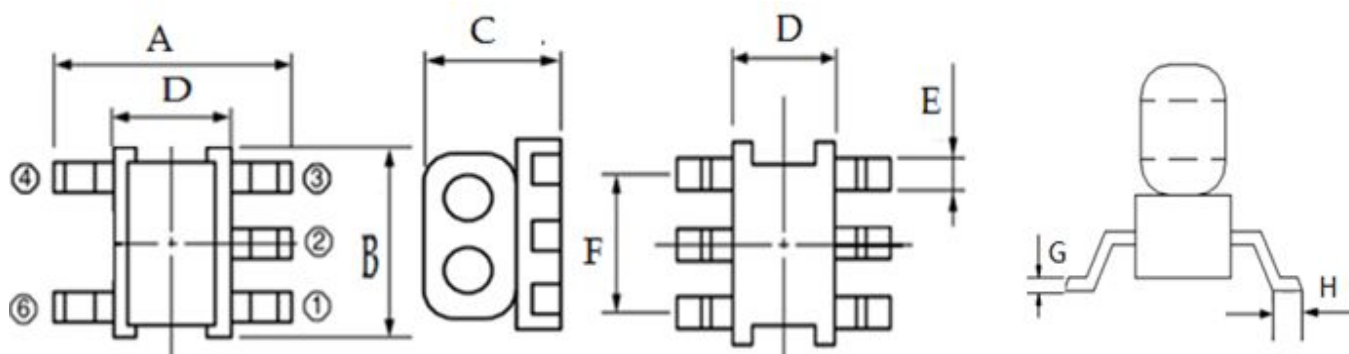
- ◆ 1: 4CT Impedance
- ◆ 50Ω Characteristic Impedance
- ◆ Frequency: 8to 750 MHz
- ◆ RF power: 0.50W
- ◆ DC current: 30mA
- ◆ Operating temperature range: -40°C to +85°C
- ◆ Storage temperature range: -55°C to +100°C



Applications:

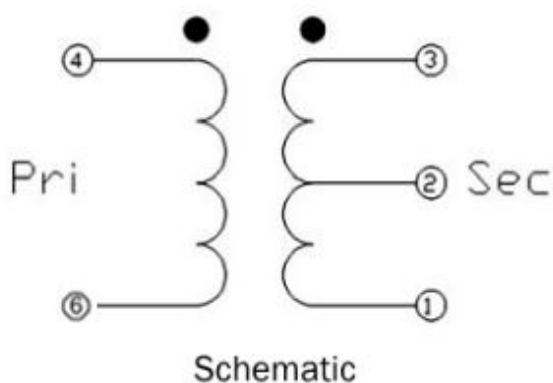
- ◆ For broadband and wireless communications
- ◆ For VHF/UHF receivers/transmitters and push-pull amplifiers

Dimension Diagram (Unit:mm) :

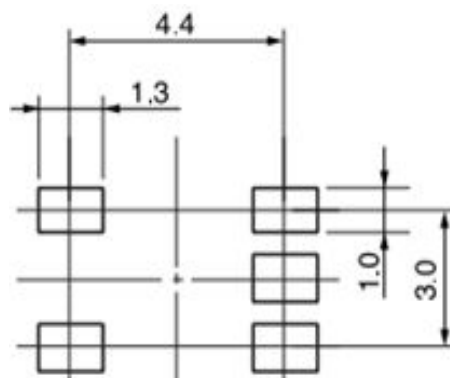


A=5.30±0.20 B=4.30±0.20 C=3.50±0.20 D=2.80±0.20 E=0.55±0.05 F=3.00±0.05 G=0.25±0.05 H=0.60±0.05

Electrical structure:



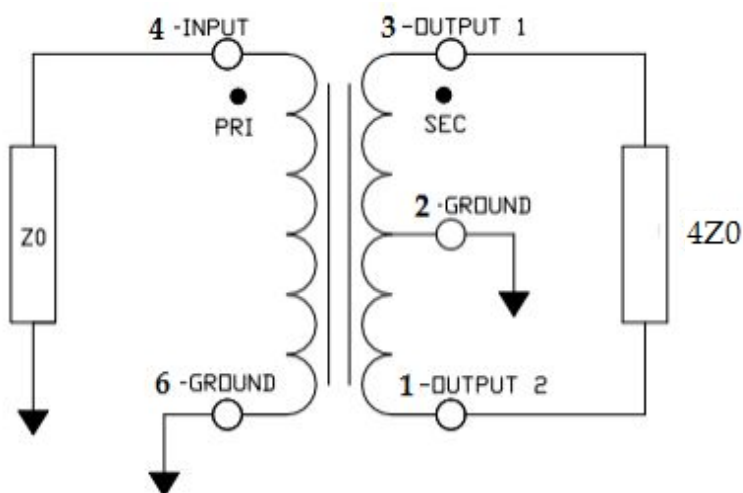
Recommended layout:



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)

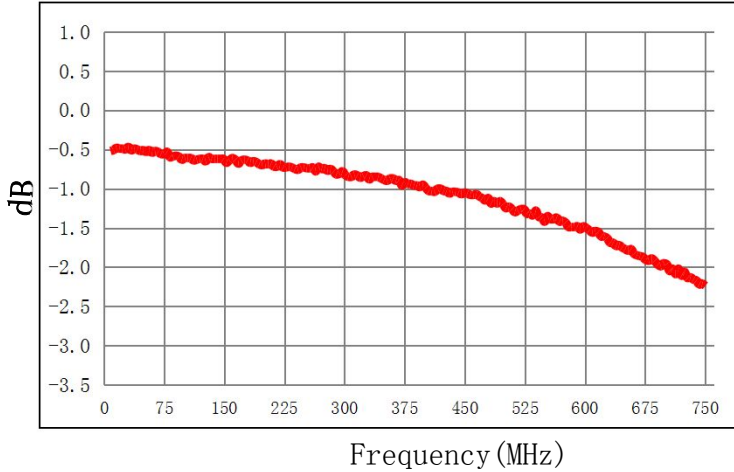
Application circuit :



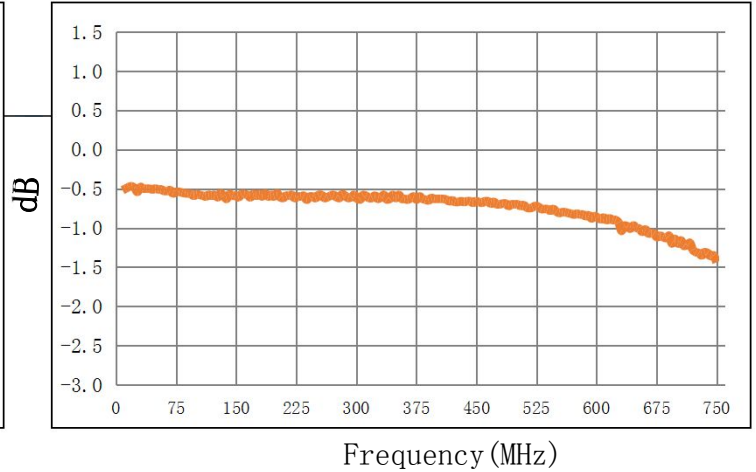
Electrical Specifications: $T_A = 25^\circ\text{C}$ $Z_0 = 50\Omega$,

Parameter	Test Conditions	Units	Min	Typ	Max
Main line Loss(out1)	8-750MHz	dB	—	1.0	3.0
Main line Loss(out2)	8-750MHz	dB	—	1.0	2.5
Amplitude Balance	8-750MHz	dB	—	0.5	± 1.0
Phase Balance	8-750MHz	Degrees	—	± 10	± 12
Input Return Loss	8-750MHz	dB	10.0	16.0	—

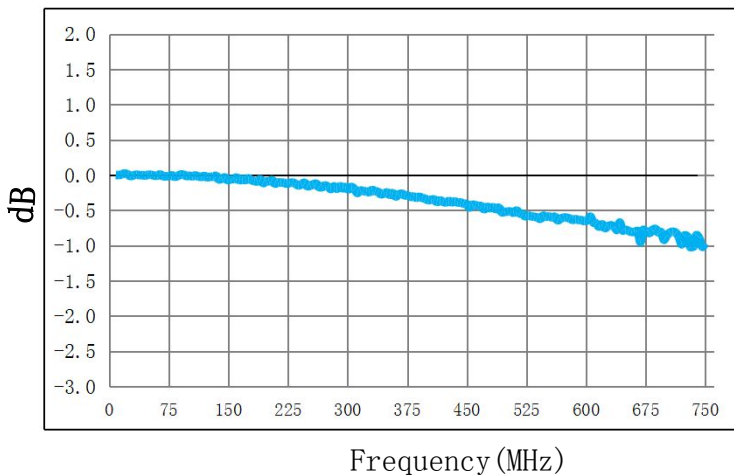
Main line Loss(out1)



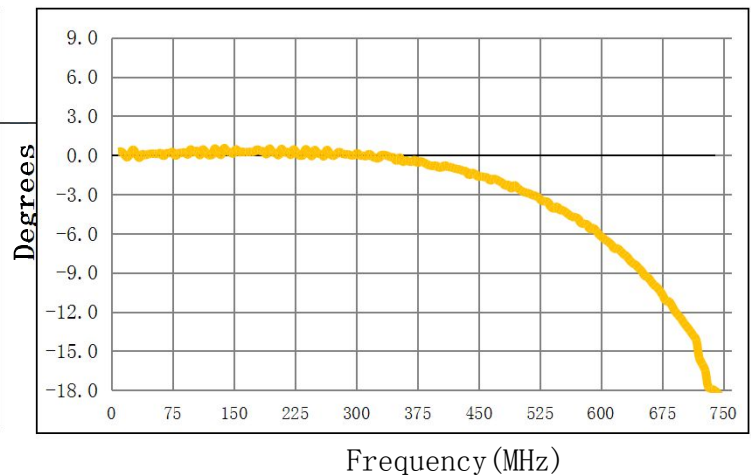
Main line Loss(out2)



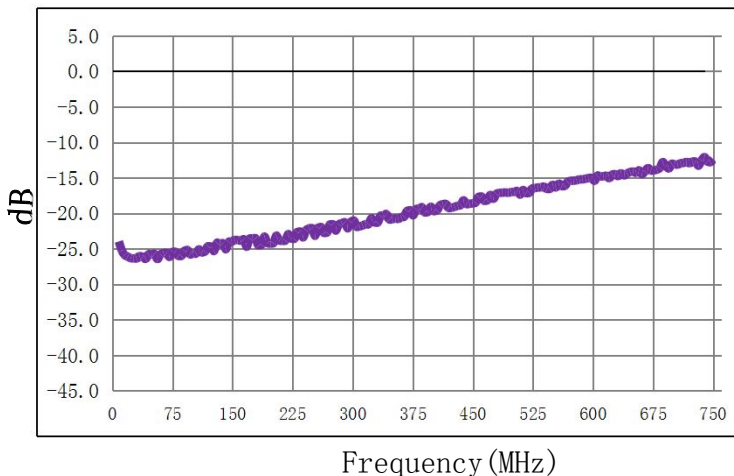
Amplitude Balance



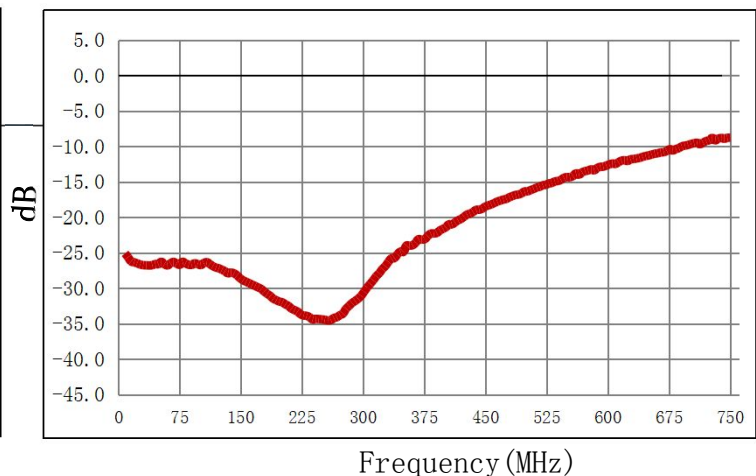
Phase Balance



Input Return Loss

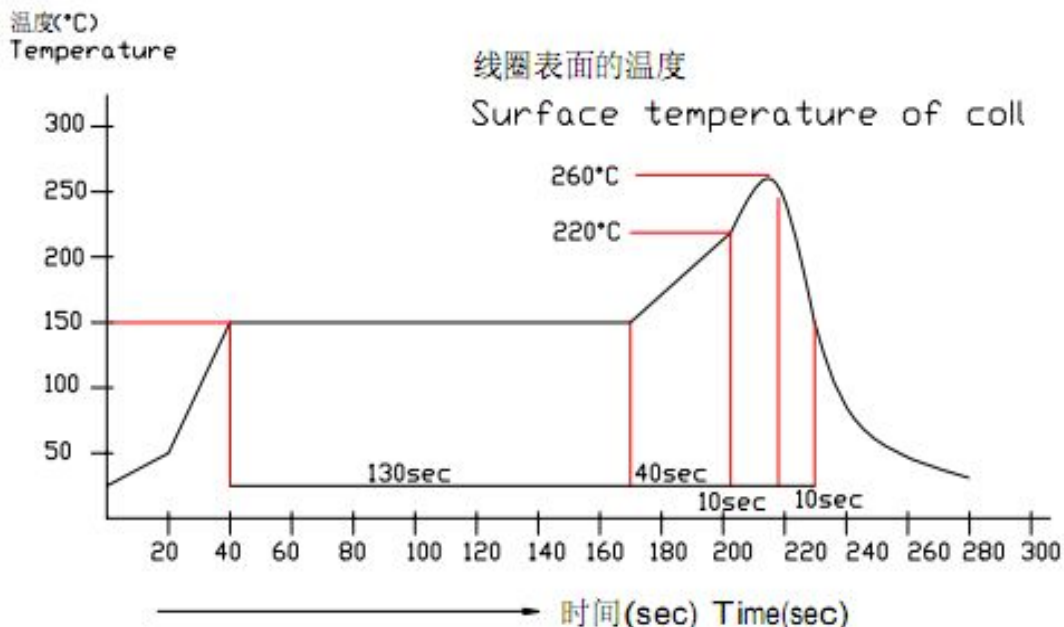


Sdd22

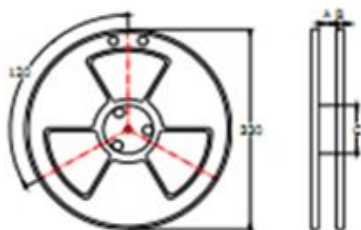
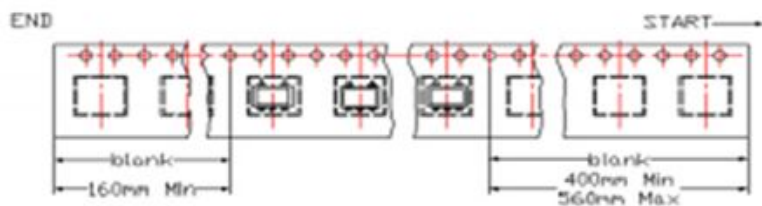


Recommended Soldering Temperature Graph:

建议迴焊条件
The condition of reflow
(Recommendation)



Packing Dimension For Caeier Tape(UNIT:mm):



SPEC	8	12	16	24	32	44	56	72
DIM A±0.1	8.5	12.5	16.5	24.5	32.5	44.5	56.5	72.5
DIM B±0.1	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3
DIM C±0.1	100	100	100	100	100	100	100	100

QUANTITY

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15 reel/Big carton/60000pcs

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[MAPDCC0005](#) [3A325](#) [BD0810N50100AHF](#) [DC0710J5005AHF](#) [DC2327J5005AHF](#) [LFL15869MTC1B787](#) [X3C19F1-20S](#)

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[BD1222J50200AHF](#) [BD1722J50100AHF](#) [2450DP39K5400E](#) [BD0810J50150AHF](#) [BD1722J50200AHF](#) [DS-327-PIN](#) [MACP-008125-](#)

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