

**Features:**



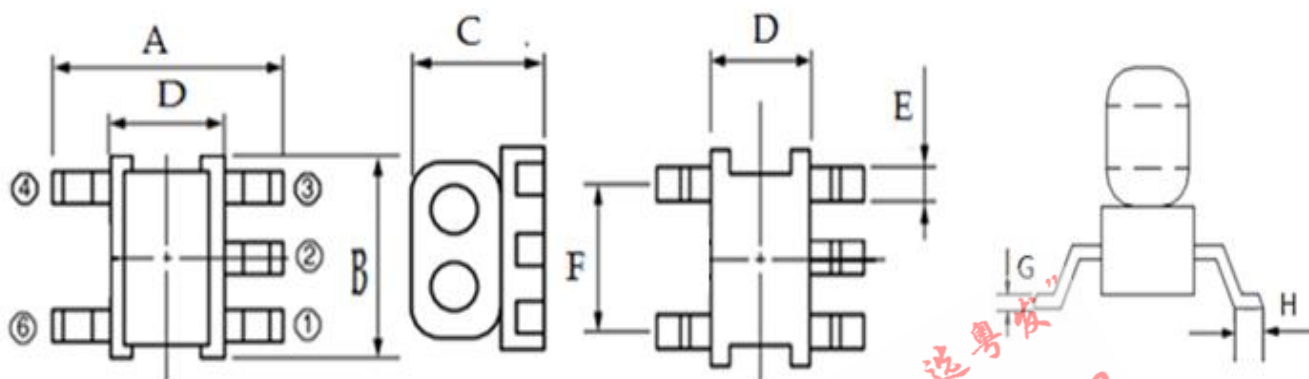
- ◆ 1: 1CT Impedance
- ◆ 50Ω Characteristic Impedance
- ◆ Frequency: 0.4 to 500 MHz
- ◆ RF power: 0.50W
- ◆ DC current: 30mA
- ◆ Operating temperature range: -40°C to +85°C
- ◆ Storage temperature range: -55°C to +100°C



**Applications:**

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

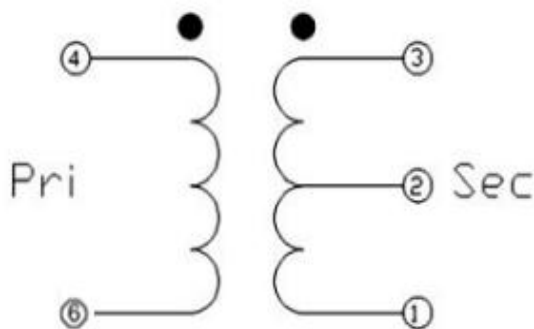
**Dimension Diagram (Unit:mm) :**



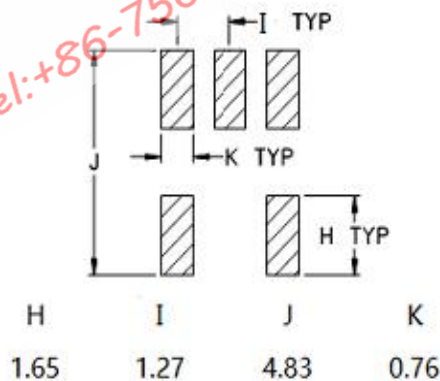
A=4.10±0.20 B=3.80±0.20 C=3.20±0.20 D=2.80±0.20 E=0.55±0.05 F=2.54±0.05 G=0.25±0.05 H=0.60±0.05

**Electrical structure:**

**Recommended layout:**



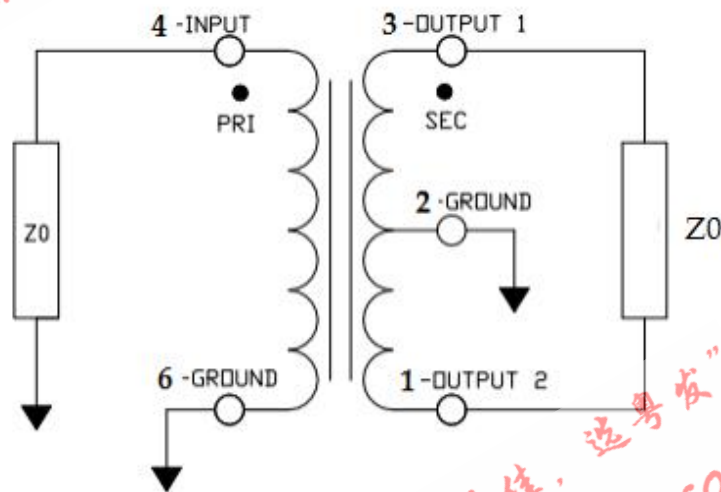
Schematic



Pin configuration

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

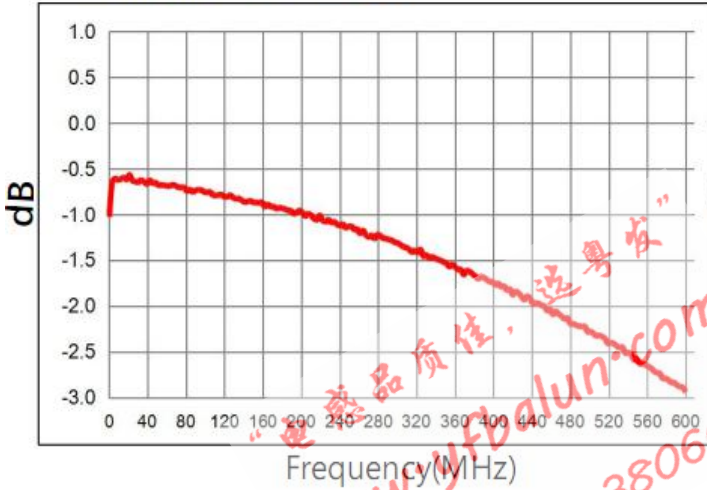
Application circuit:



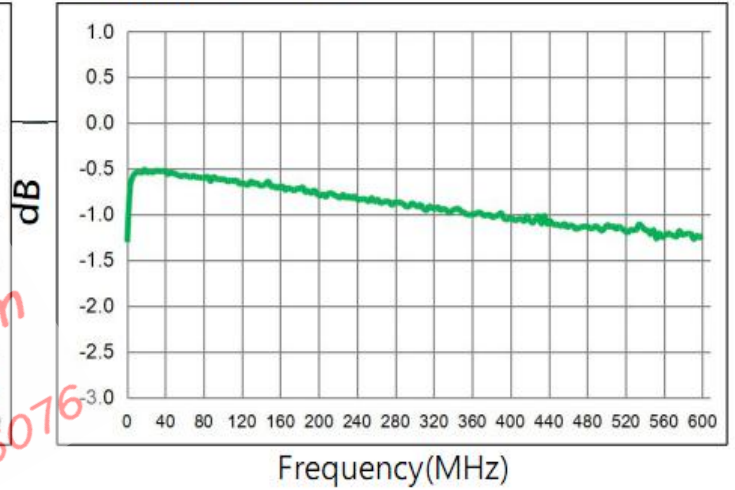
Electrical Specifications:  $T_A = 25^\circ C$   $Z_0 = 50\Omega$

Parameter	Test Conditions	Units	Min	Typ	Max
Main line Loss(out1)	0.4-500MHz	dB	—	0.8	3.0
Main line Loss(out2)	0.4-500MHz	dB	—	0.7	2.0
Amplitude Balance	0.4-500MHz	dB	—	0.5	±1.0
Phase Balance	0.4-500MHz	Degrees	—	5.0	±10.0
Input Return Loss	0.4-500MHz	dB	5.0	15.0	—

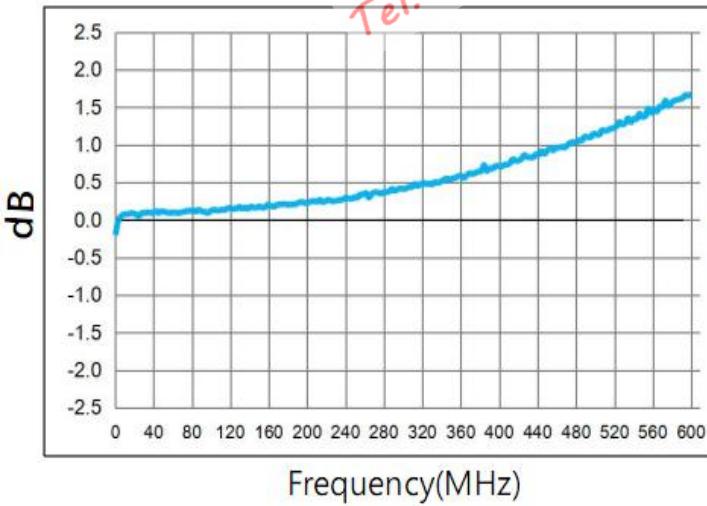
### Main line Loss(out1)



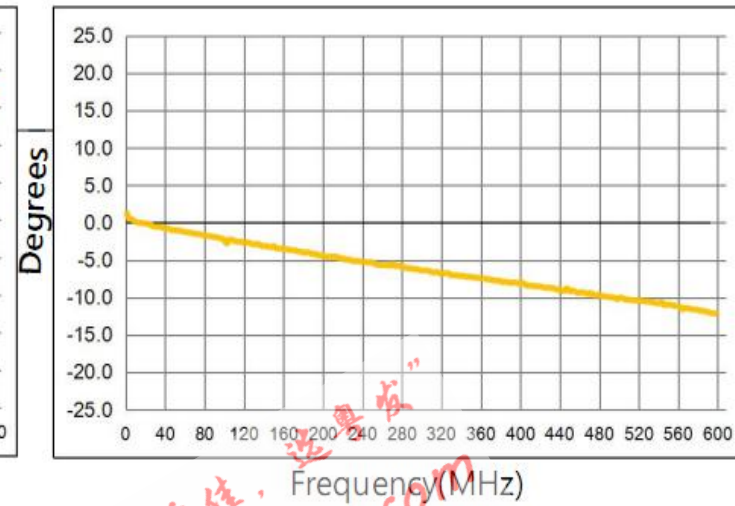
### Main line Loss(out2)



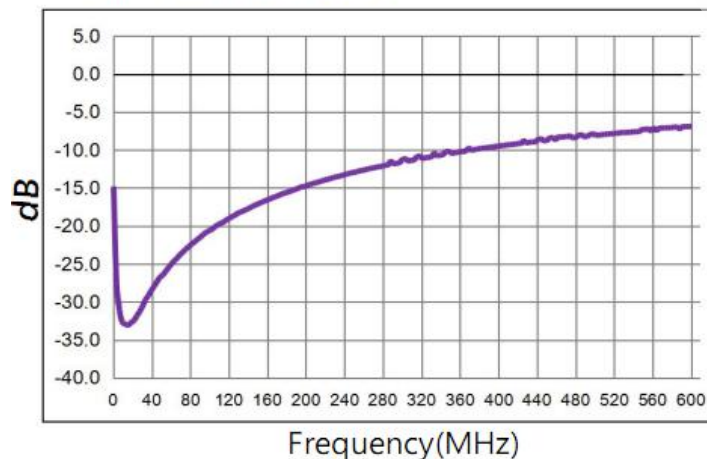
### Amplitude Balance



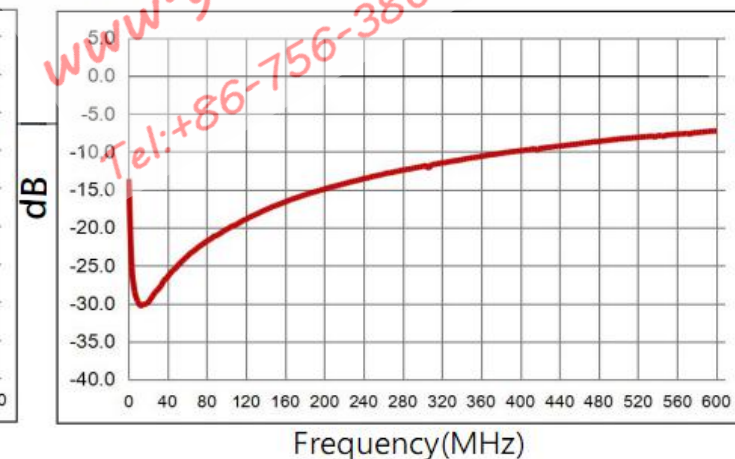
### Phase Balance



### Input Return Loss

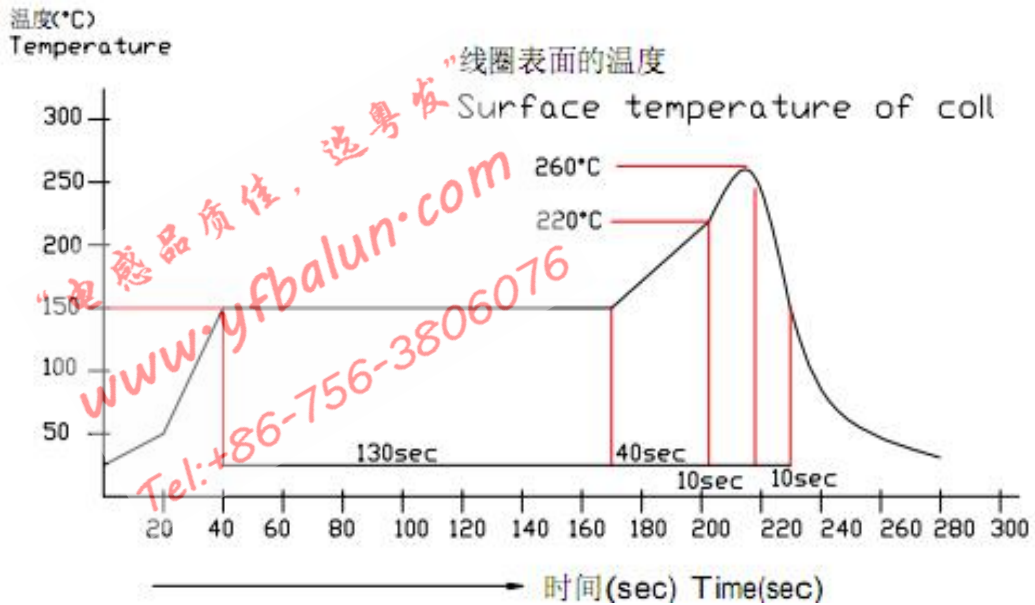


### Sdd22

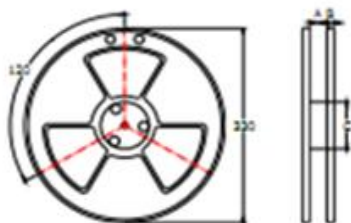
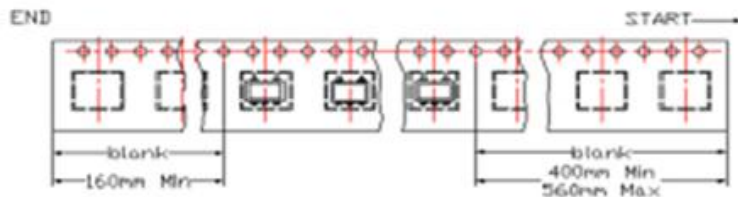


Recommended Soldering Temperature Graph:

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

2000PCS/Reel

15 reel/Big carton/60000pcs