



United-tek

承 认 书

SPECIFICATION FOR APPROVAL

客户名称 CUSTOMER			
客户料号 MODEL NO			
产品名称 PART NAME	RF Balun Transformer, 4:1CT 5-200 MHz		
产品型号 PART TYPE	GB001-1100		
版 本 REV	A1		
签 名 SIGNATURE	制 图: DRAWING BY: James Lee	审 核: CHECKED BY: Men Peng	批 准: APPROVED BY: Terry Fu
客户承认 CUSTOMER APPROVAL	承认印: SIGNET 签 名: SIGNATURE		

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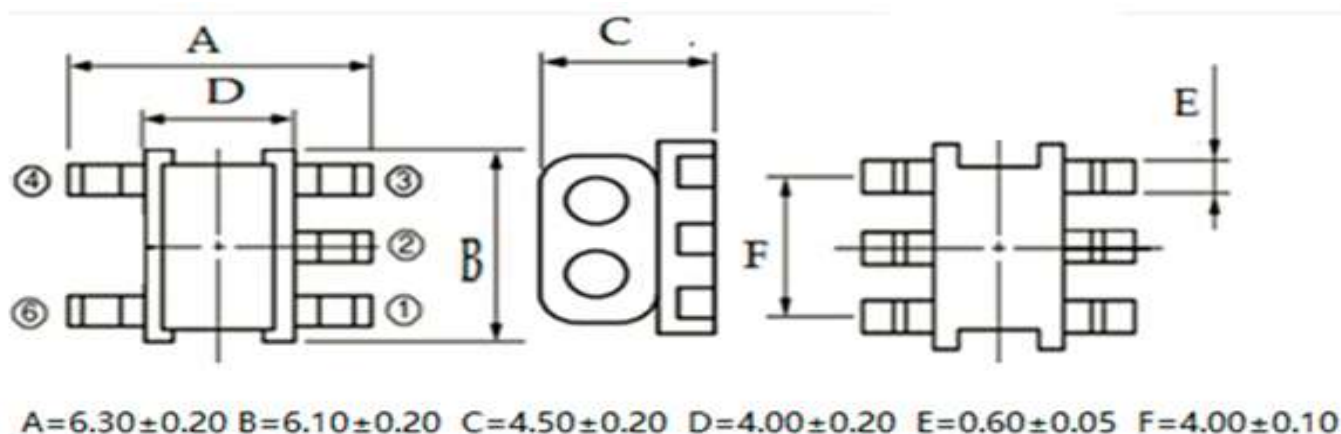
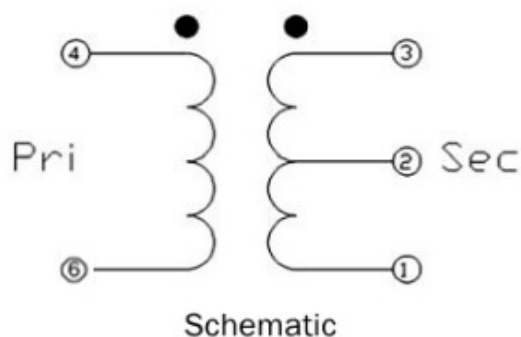
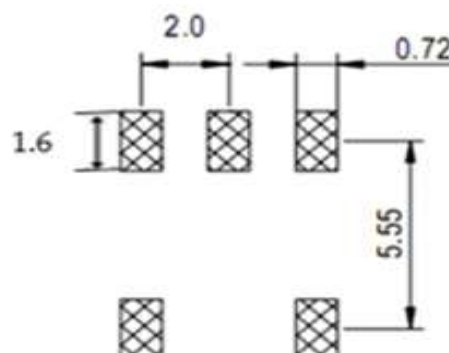
E-mail : terry@united-tek.net

Features::

- ◆4:1CT Impedance
- ◆75 Ω Characteristic Impedance
- ◆Frequency: 5 to 200 MHz
- ◆RF power: 1.0W
- ◆DC current: 500mA
- ◆Operating temperature range: -40°C to +85°C
- ◆Storage temperature range: -55°C to +100°C

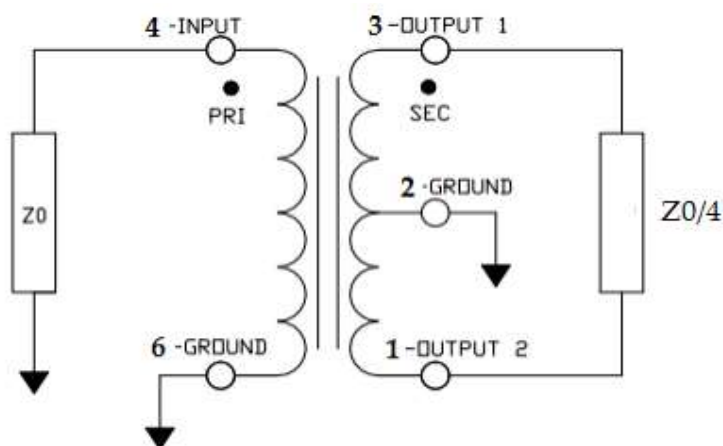
Applications:

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

Dimension Diagram (Unit:mm) :**Electrical structure:****Recommended layout:**

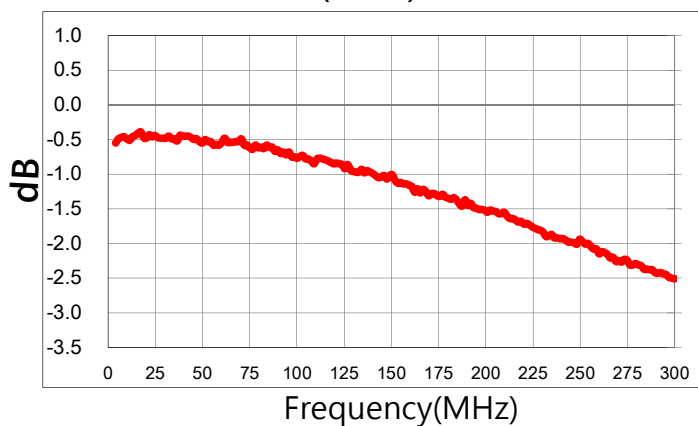
Pin configuration

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

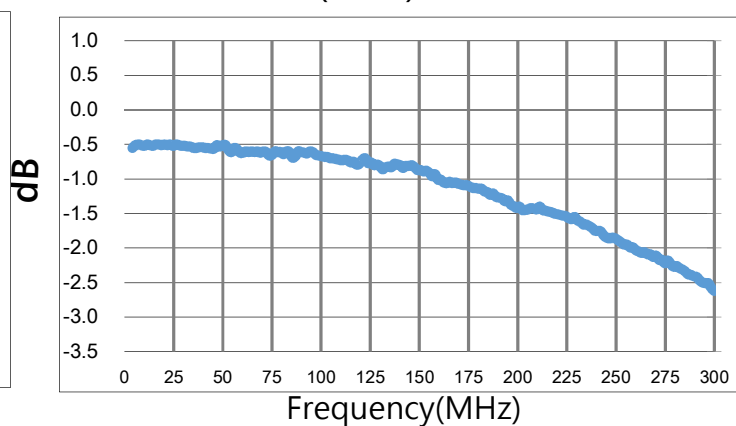
Application circuit :**Electrical Specifications:** $T_A = 25^\circ\text{C}$ $Z_0 = 75\Omega$

Parameter	Test Conditions	Units	Min	Typ	Max
Main line Loss(out1)	5-200MHz	dB	—	0.5	3.0
Main line Loss(out2)	5-200MHz	dB	—	0.5	3.0
Amplitude Balance	5-200MHz	dB	—	0.6	1.2
Phase Balance	5-200MHz	Degrees	—	1.2	± 6.0
Input Return Loss	5-200MHz	dB	3.0	10.0	—

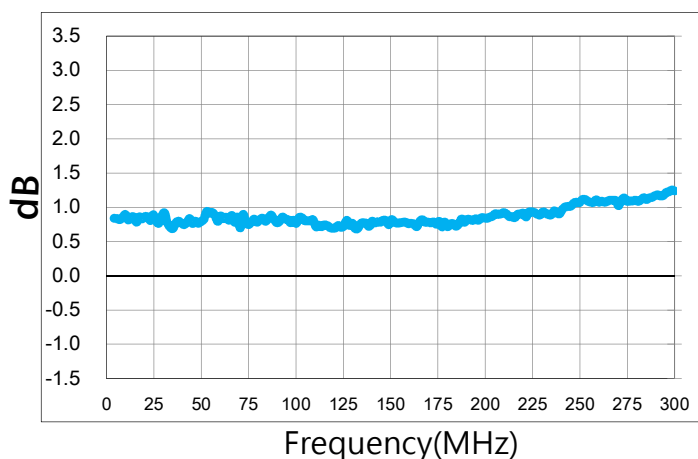
Main line Loss(out1)



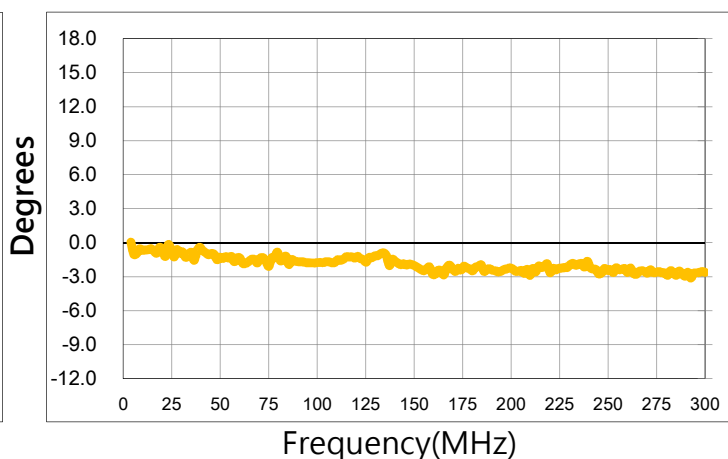
Main line Loss(out2)



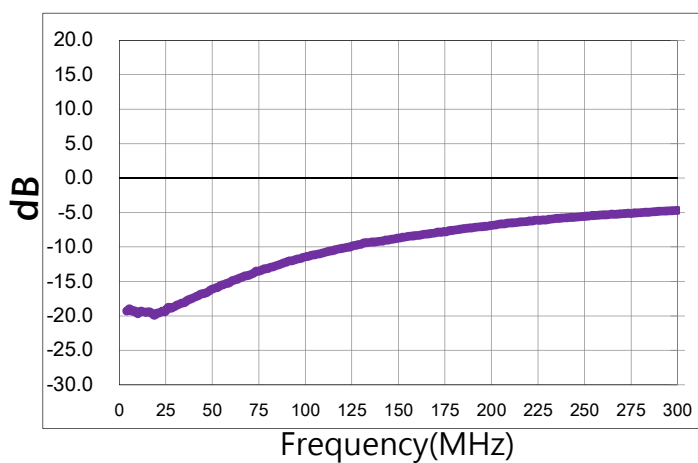
Amplitude Balance



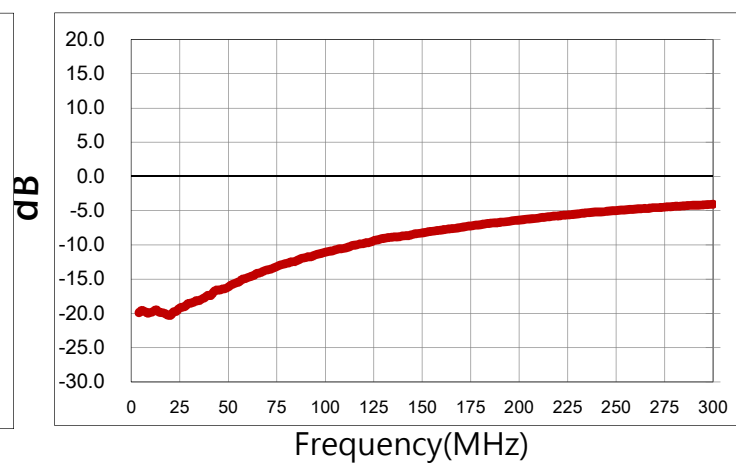
Phase Balance



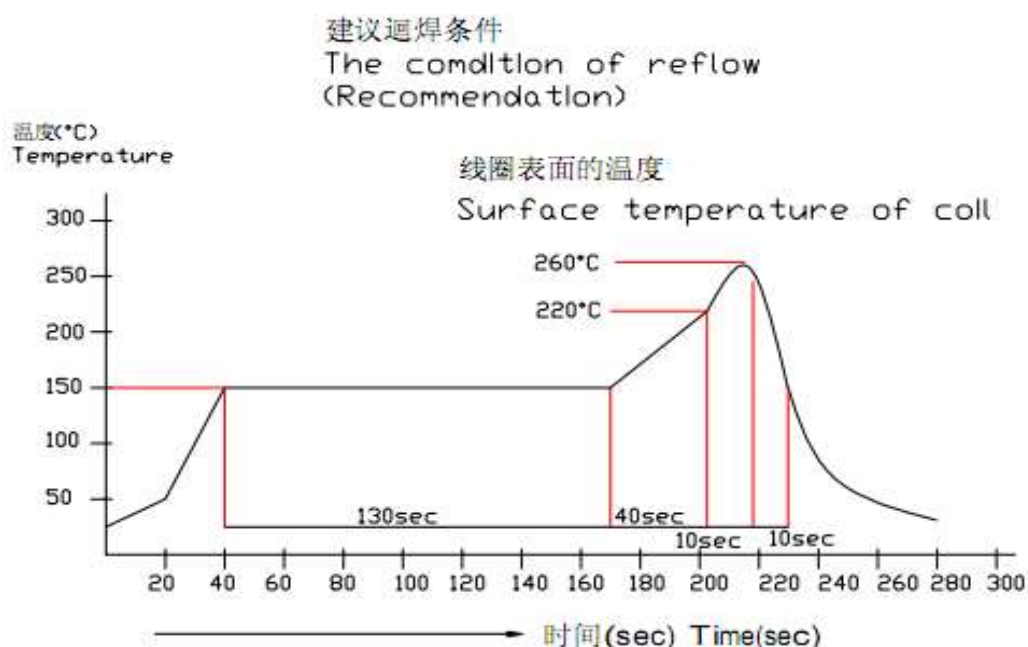
Input Return Loss



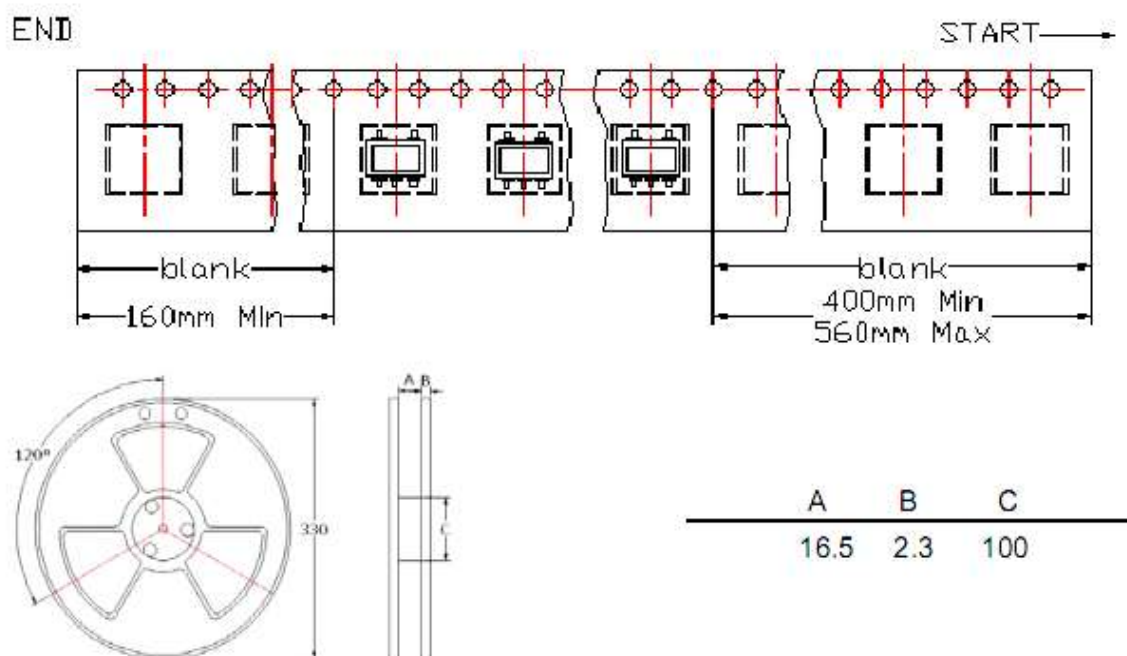
Sdd22



Recommended Soldering Temperature Graph:



Packging Dimension For Carrier Tape(UNIT:mm):



QUANTITY

1,000PCS/Reel

3Reels/Middle Carton

5 Middle Cartons/Big Carton/15,000pcs