



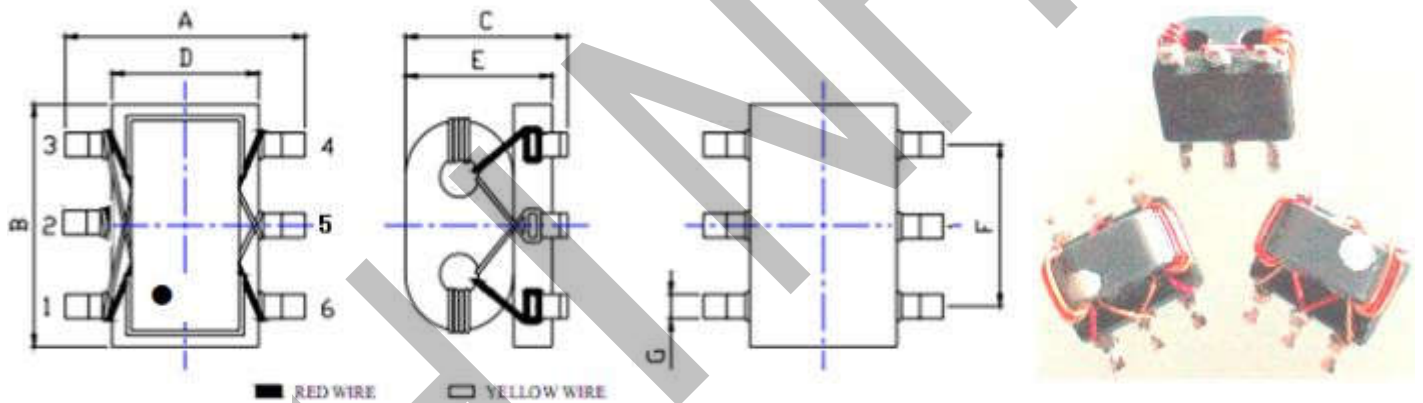
**Features:**

- ◆ 2 Way-0° Power Splitter/Combiner
- ◆ 75Ω Characteristic Impedance
- ◆ Frequency: 5to1000 MHz
- ◆ Power Input(as a splitter): 0.50W Max
- ◆ DC current: 30mA
- ◆ Operating temperature range: -40°C to +85°C
- ◆ Storage temperature range: -55°C to +100°C

**Applications:**

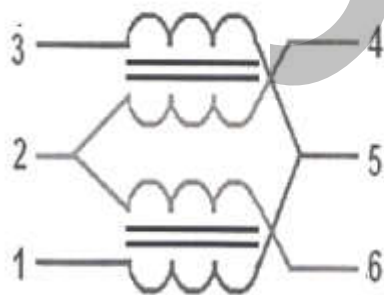
- ◆ For broadband and wireless communications
- ◆ For VHF/UHF receivers/transmitters and push-pull amplifiers

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

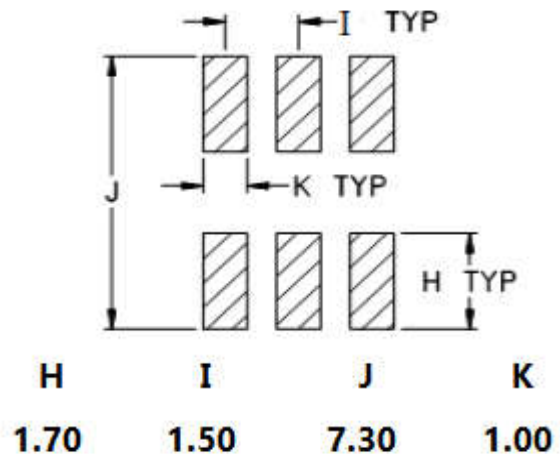


A: 5.10±0.20 B: 4.30±0.20 C: 3.50 Max D: 2.60±0.20 E: 3.00±0.20 F: 4.00±0.10 G: 0.60 Ref

**Electrical structure:**



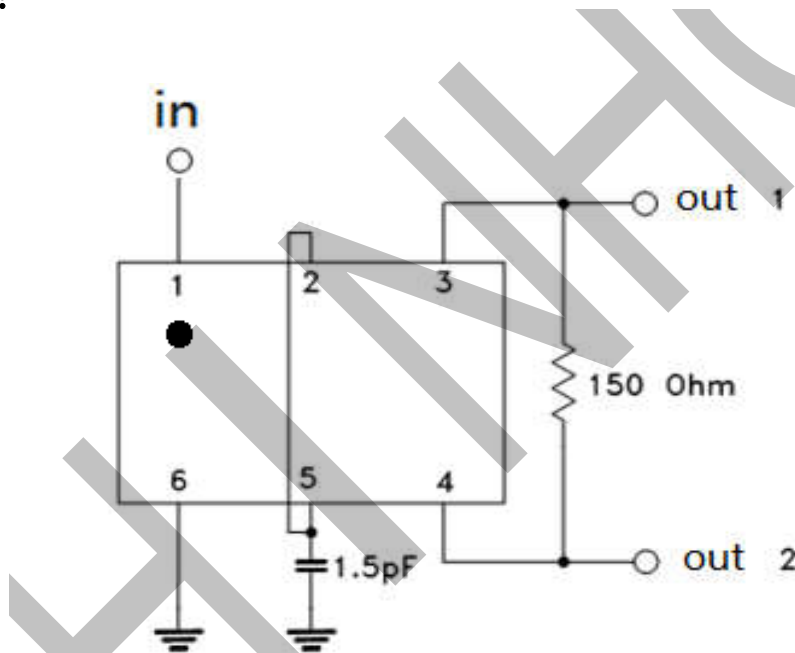
**Recommended layout:**



## Pin configuration

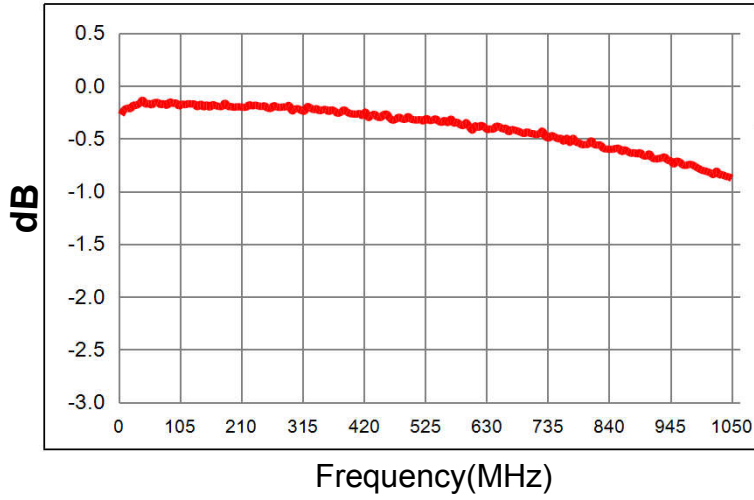
SUM PORT	1
PORT 1	3
PORT 2	4
GROUND	6
CONNECT	2,5
EXT. RESISTOR 150Ω	3,4
EXT. CAPACITOR 1.5pF	2 OR 5 TO GND

## Application circuit :

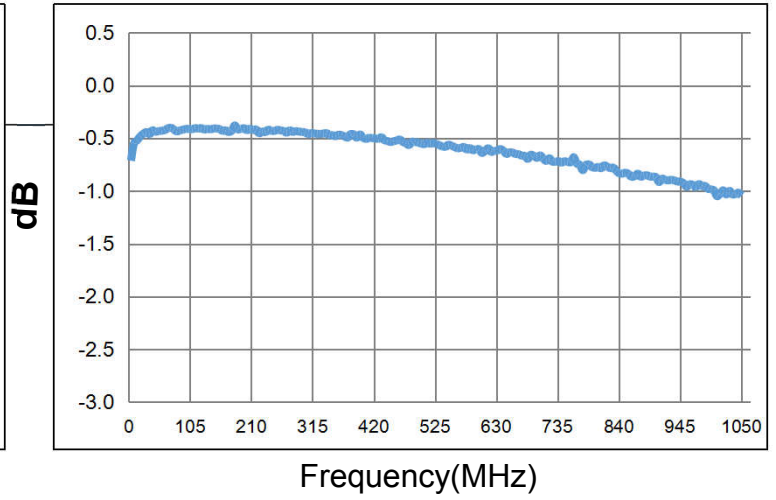
Electrical Specifications:  $T_A = 25^\circ\text{C}$   $Z_0 = 75\Omega$ 

Parameter	Test Conditions	Units	Min	Typ	Max
Main line Loss(out1)	5-1000MHz	dB	—	0.5	1.3
Main line Loss(out2)	5-1000MHz	dB	—	0.7	1.3
Amplitude Balance	5-1000MHz	dB	—	0.3	±1.0
Phase Balance	5-1000MHz	Degrees	—	3.0	±5.0
Input Return Loss	5-1000MHz	dB	16.0	20.0	—
Isolation	5-1000MHz	dB	16.0	20.0	—

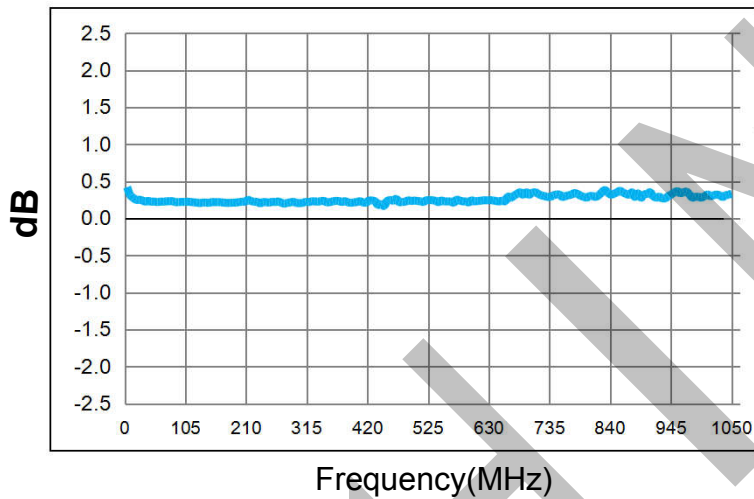
Main line Loss(port1)



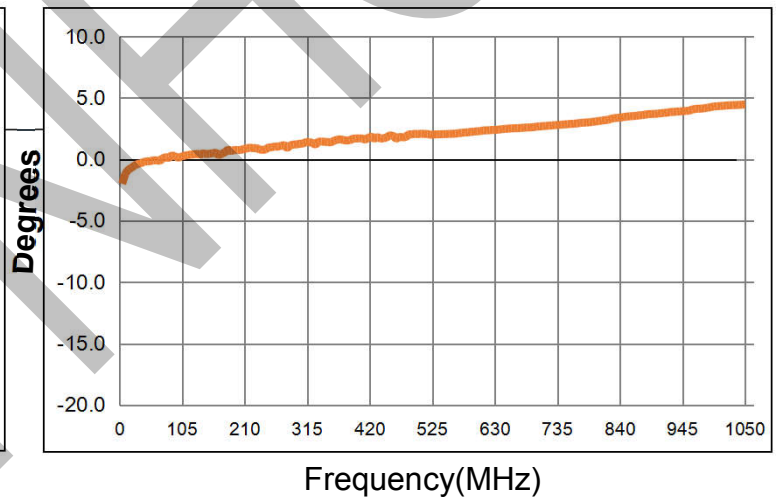
Main line Loss(port2)



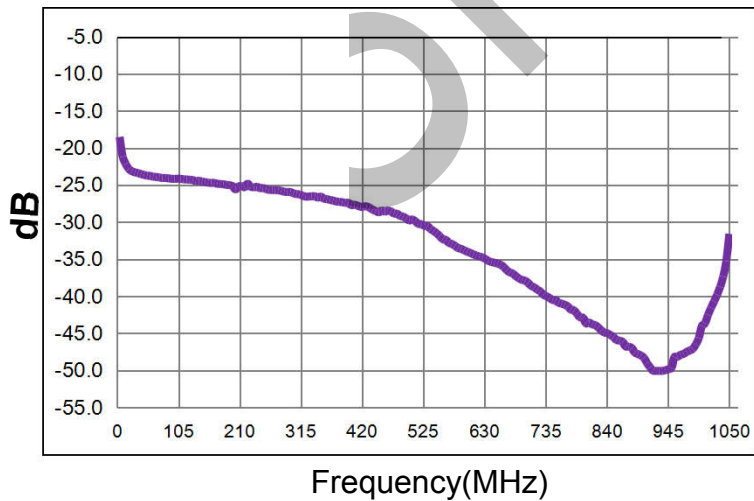
Amplitude Balance



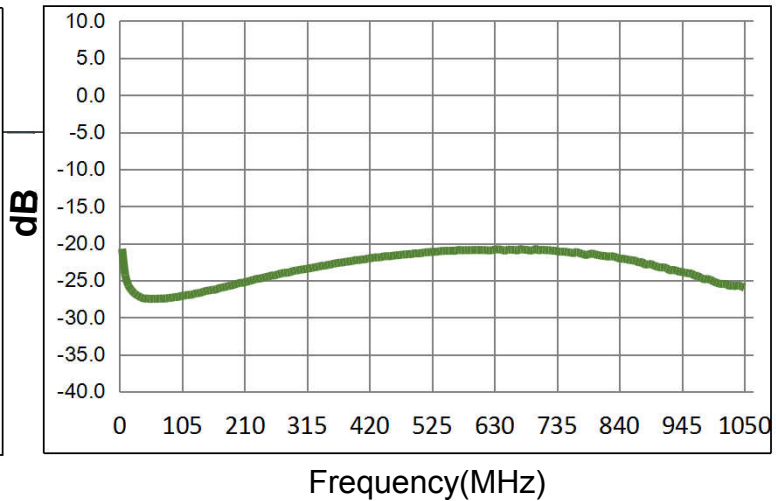
Phase Balance



Input Return Loss



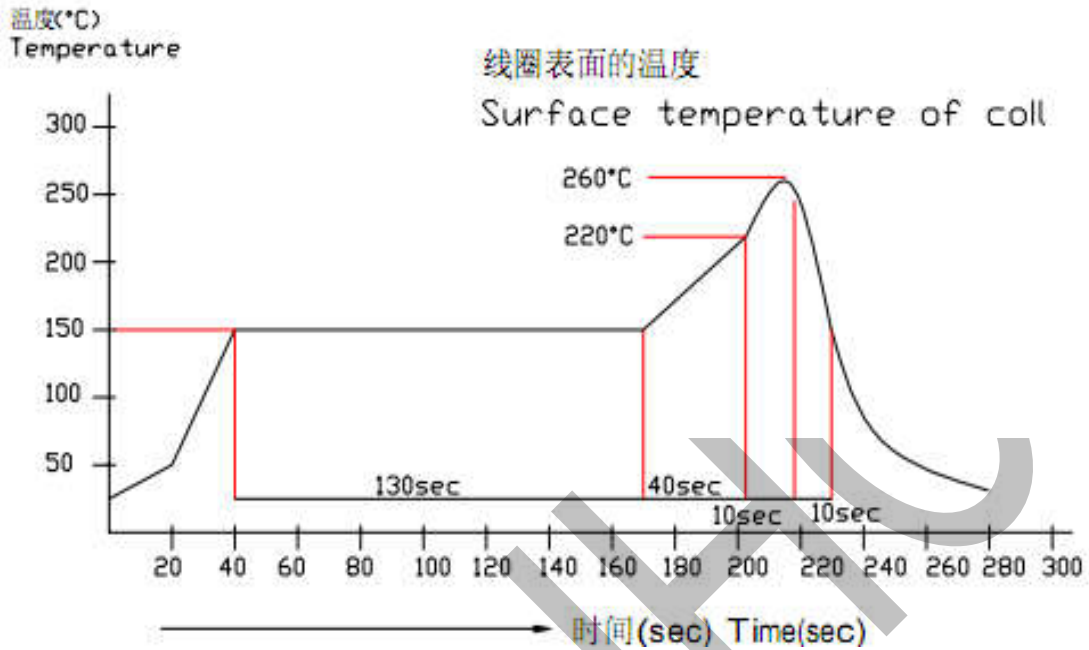
Isolation



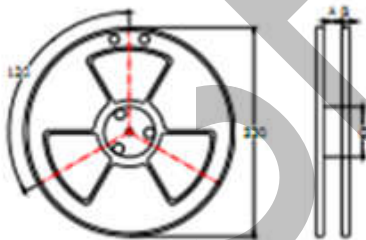
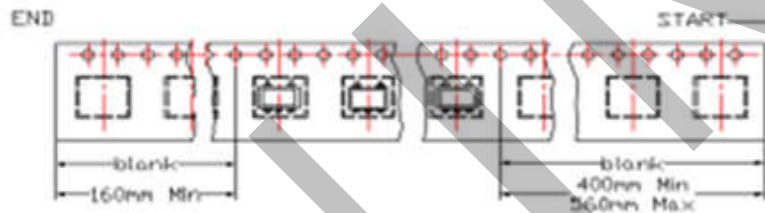
Recommended Soldering Temperature Graph:

建议迴焊条件

The condition of reflow  
(Recommendation)



Packging 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