



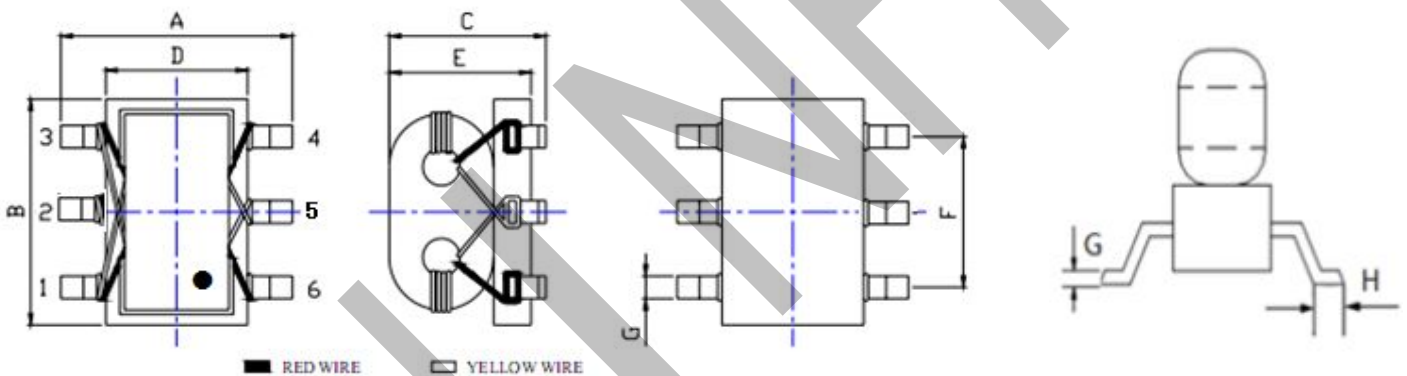
### Features:

- ◆ 2 Way-0° Power Splitter/Combiner
- ◆ 75Ω Characteristic Impedance
- ◆ Frequency: 5to1250 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:

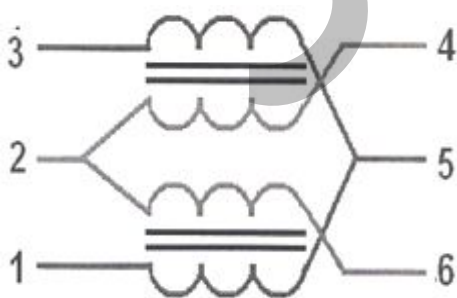
- ◆ For broadband and wireless communications
- ◆ For VHF/UHF receivers/transmitters and push-pull amplifiers

### Dimension Diagram (Unit:mm) :

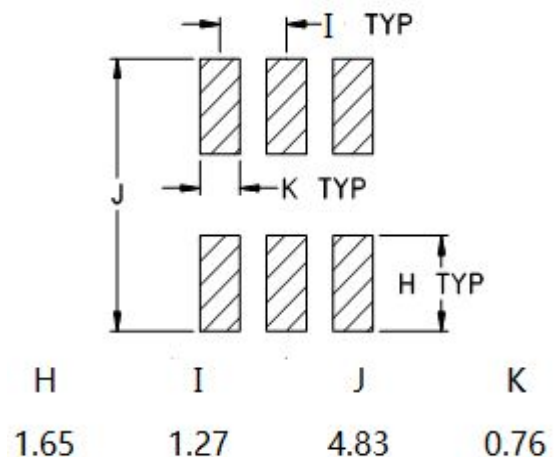


A:4.10±0.20 B:3.80±0.20 C:3.50 Max D:2.80±0.20 E:3.00±0.20 F:2.54±0.05 G:0.50 Ref H=0.60±0.05

### Electrical structure:



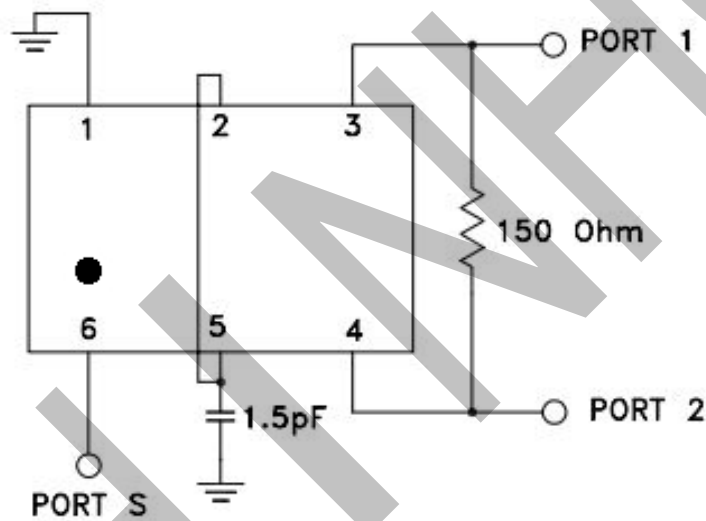
### Recommended layout:



## Pin configuration

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

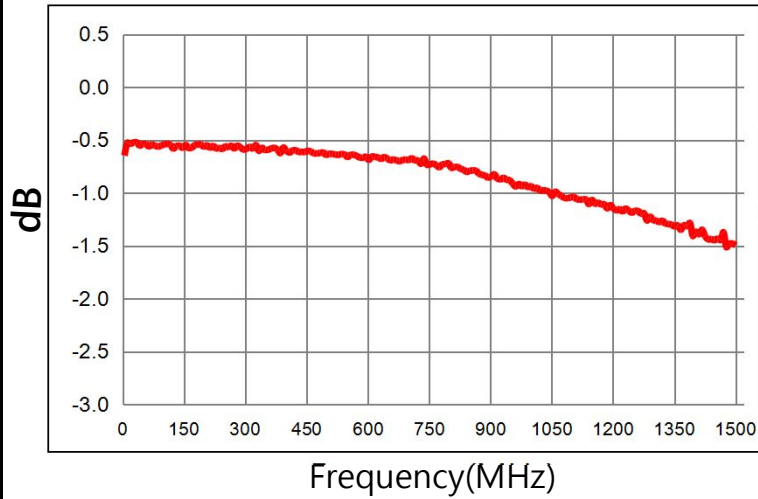
## Application circuit :



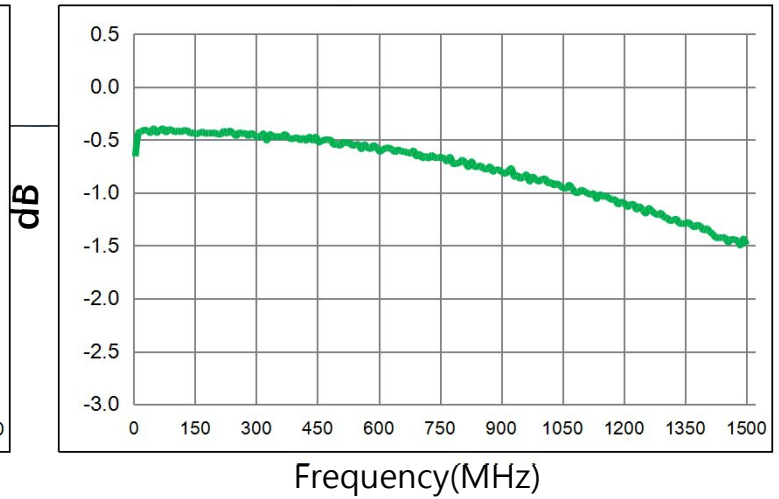
Electrical Specifications:  $T_A = 25^\circ\text{C}$   $Z_0 = 75\Omega$

Parameter	Test Conditions	Units	Min	Typ	Max
Main line Loss(out1)	5-1250MHz	dB	—	0.8	1.5
Main line Loss(out2)	5-1250MHz	dB	—	0.6	1.5
Amplitude Balance	5-1250MHz	dB	—	0.2	±1.0
Phase Balance	5-1250MHz	Degrees	—	2.0	±5.0
Input Return Loss	5-1250MHz	dB	16.0	20.0	—

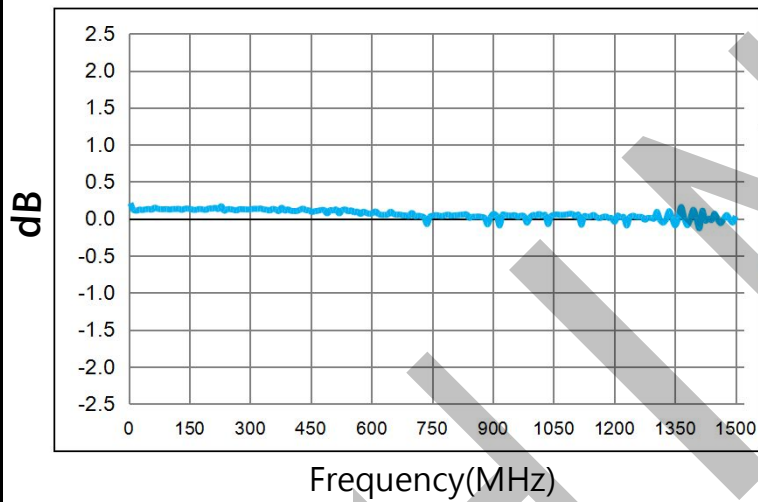
Main line Loss(port1)



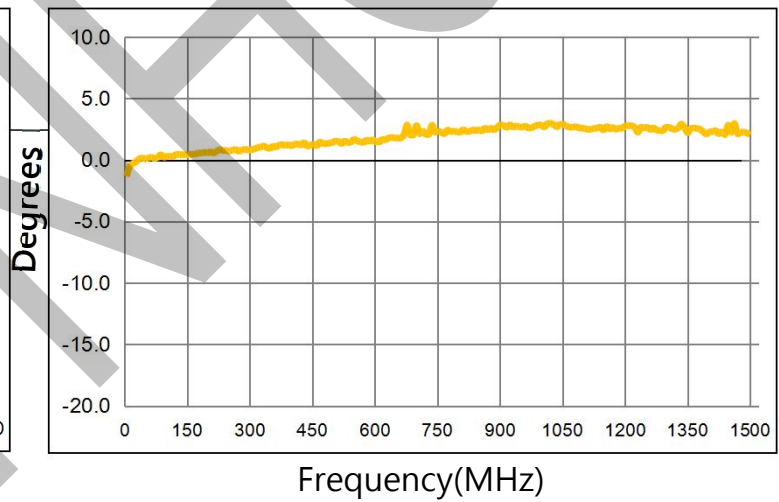
Main line Loss(port2)



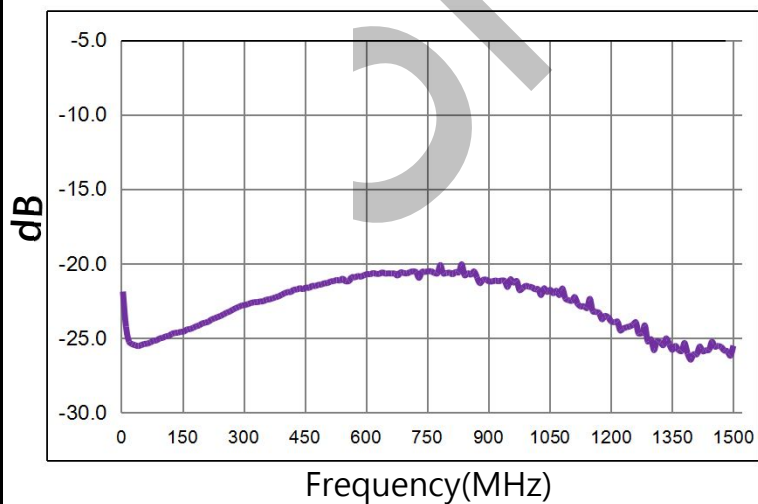
Amplitude Balance



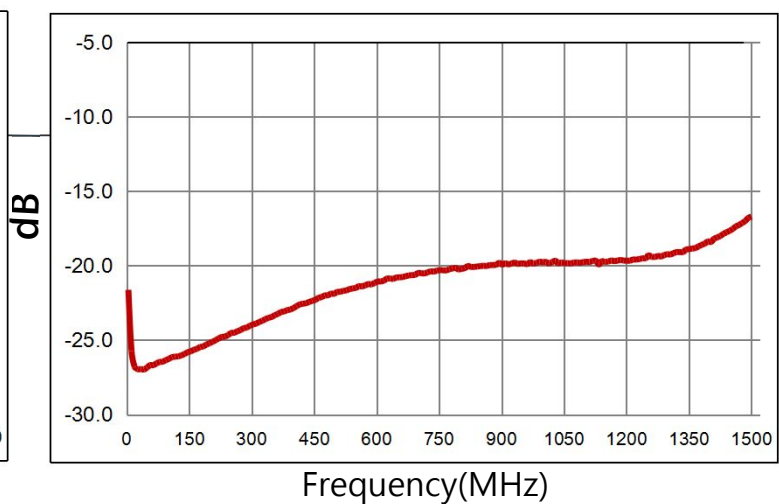
Phase Balance



Input Return Loss



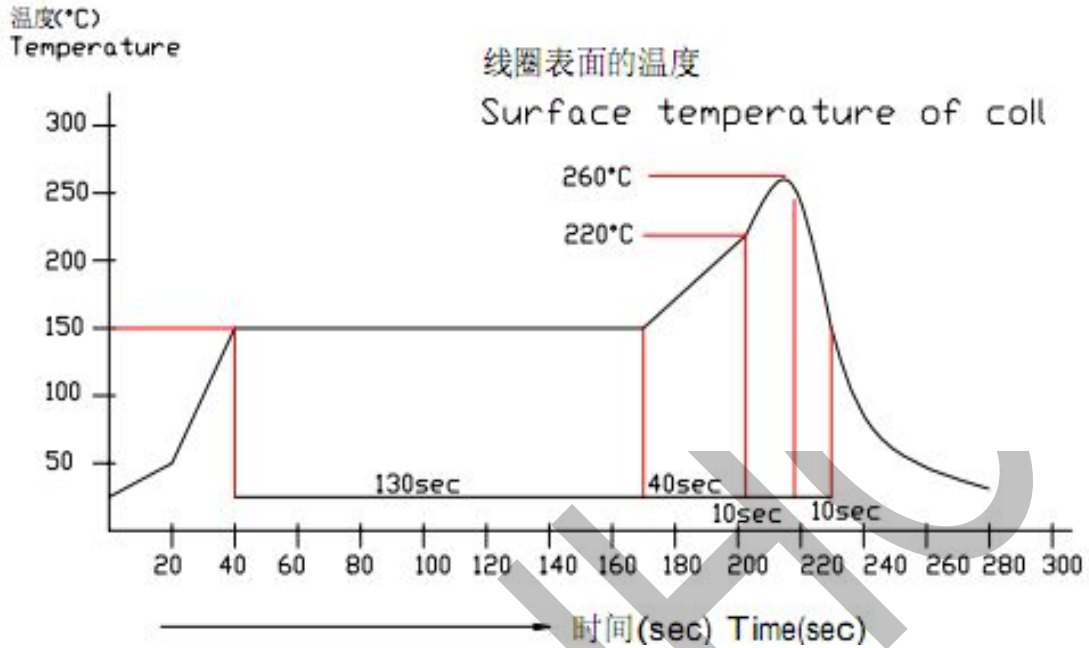
Isolation



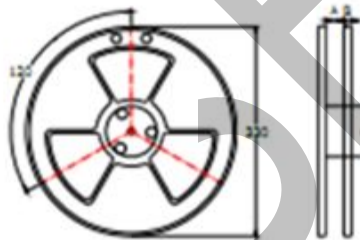
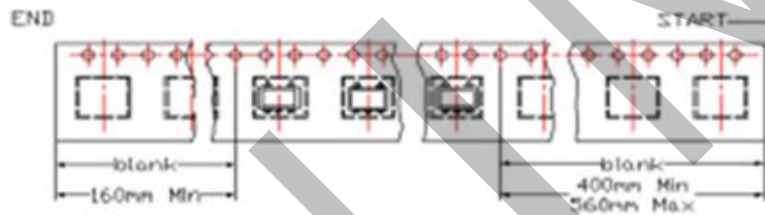
**Recommended Soldering Temperature Graph:**

建议迴焊条件

The condition of reflow  
(Recommendation)



**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