

**Features:**

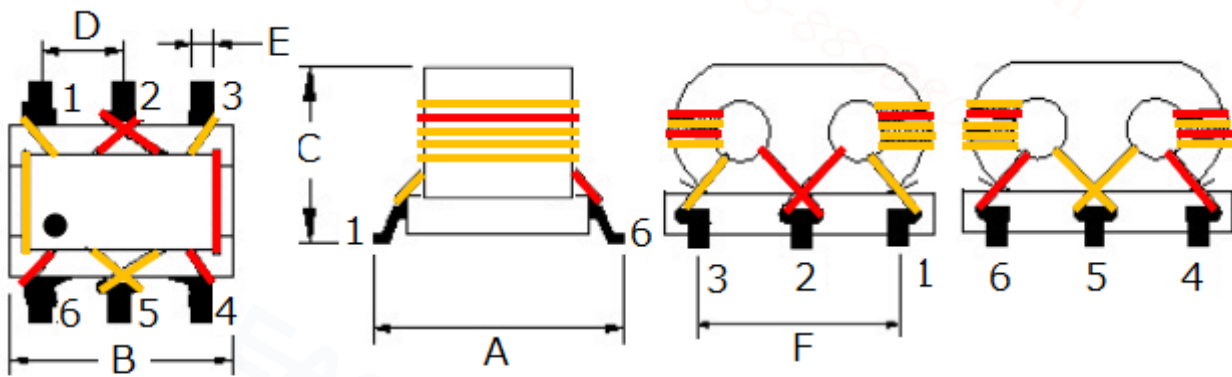
- ◆ 2 Way-0° Power Splitter/Combiner
- ◆ 50Ω Characteristic Impedance
- ◆ Frequency: 5to1000 MHz
- ◆ Power Input(as a splitter): 0.50W Max
- ◆ DC current: 30mA
- ◆ Operating temperature range: -40°C to +85°C
- ◆ Storage temperature range: -55°C to +100°C



**Applications:**

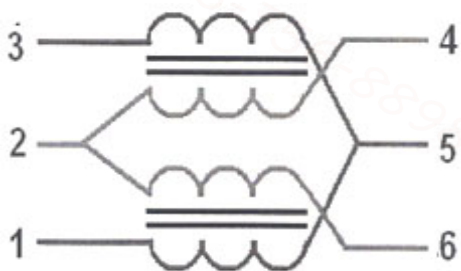
- ◆ For broadband and wireless communications
- ◆ For VHF/UHF receivers/transmitters and push-pull amplifiers

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

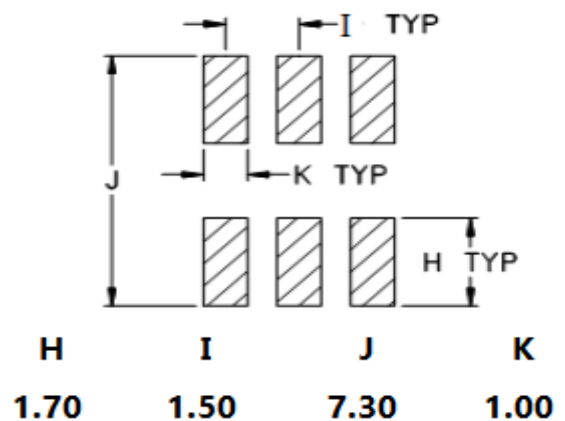


A=5.10±0.20 B=4.30±0.20 C=3.50 Max D=1.50±0.10 E=0.50±0.05 F=3.00±0.10 10

**Electrical structure:**



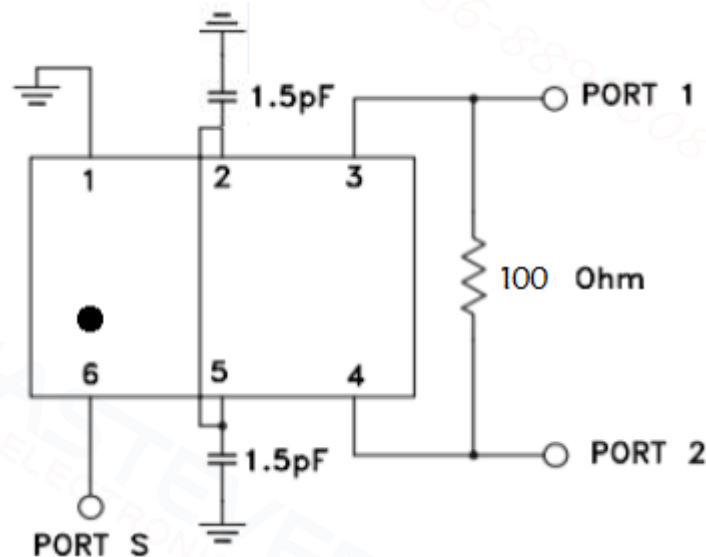
**Recommended layout:**



## Pin configuration

SUM PORT	6
PORT 1	3
PORT 2	4
GROUND	1
CONNECT	2,5
EXT. RESISTOR 100Ω	3,4
EXT. CAPACITOR 1.5pF	2 TO GND 5 TO GND

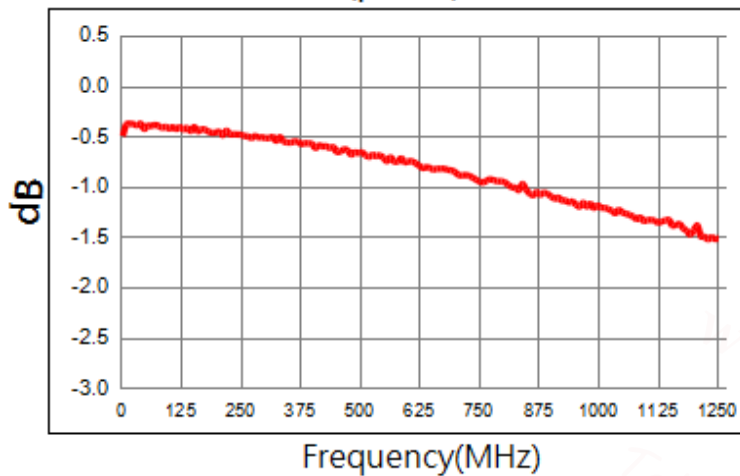
## Application circuit :



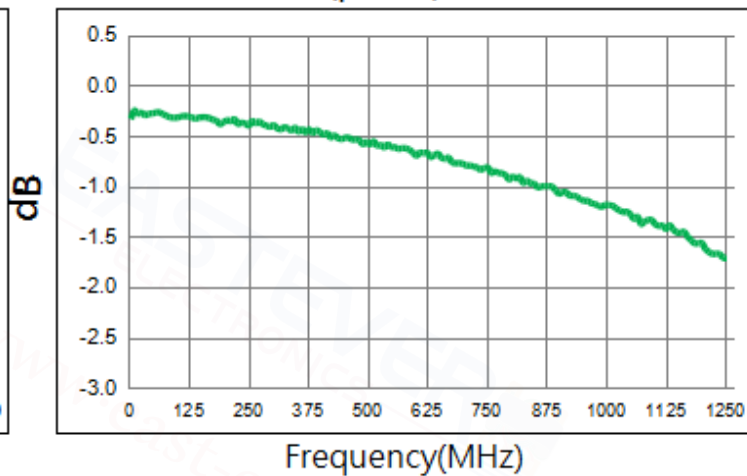
Electrical Specifications:  $T_A = 25^\circ\text{C}$   $Z_0 = 50\Omega$ ,

Parameter	Test Conditions	Units	Min	Typ	Max
Main line Loss(out1)	5-1000MHz	dB	—	0.8	1.5
Main line Loss(out2)	5-1000MHz	dB	—	0.6	1.5
Amplitude Balance	5-1000MHz	dB	—	0.2	±1.0
Phase Balance	5-1000MHz	Degrees	—	3.0	±5.0
Input Return Loss	5-1000MHz	dB	16.0	20.0	—

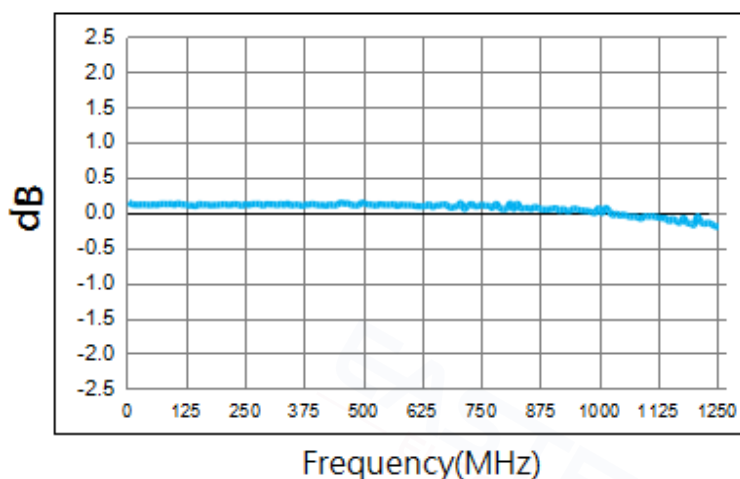
Main line Loss(port1)



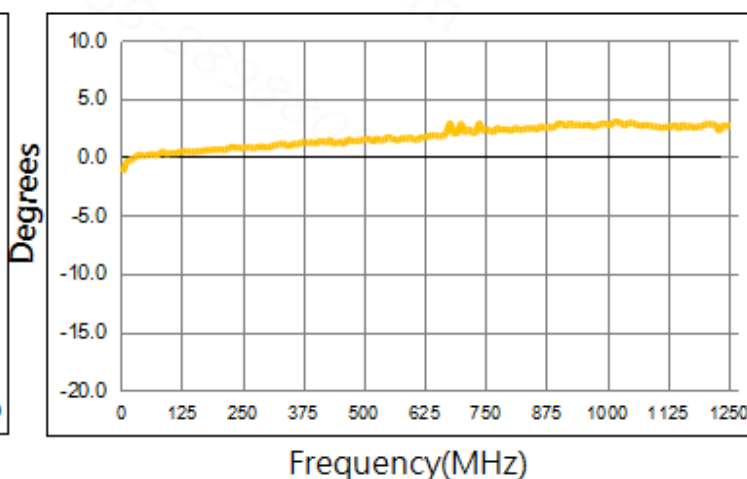
Main line Loss(port2)



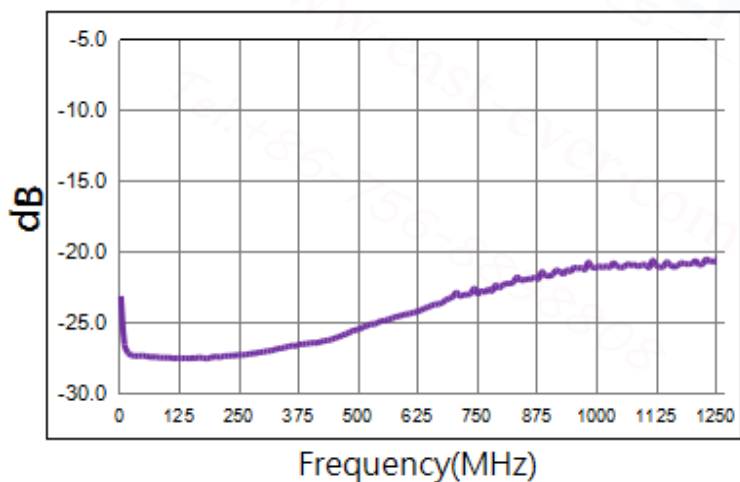
Amplitude Balance



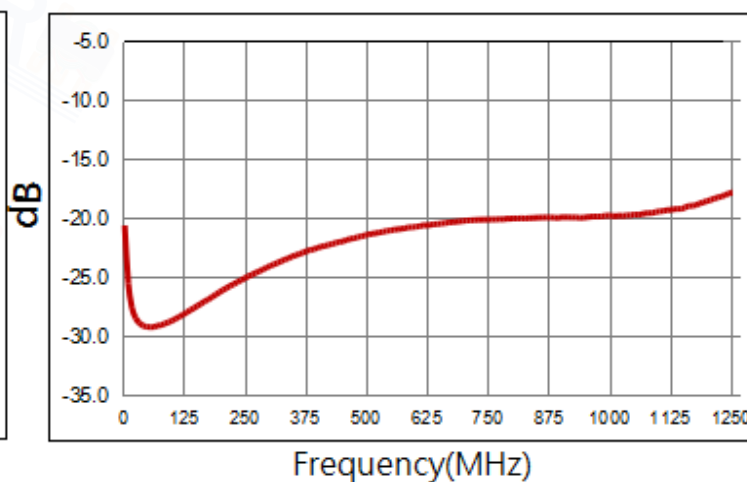
Phase Balance



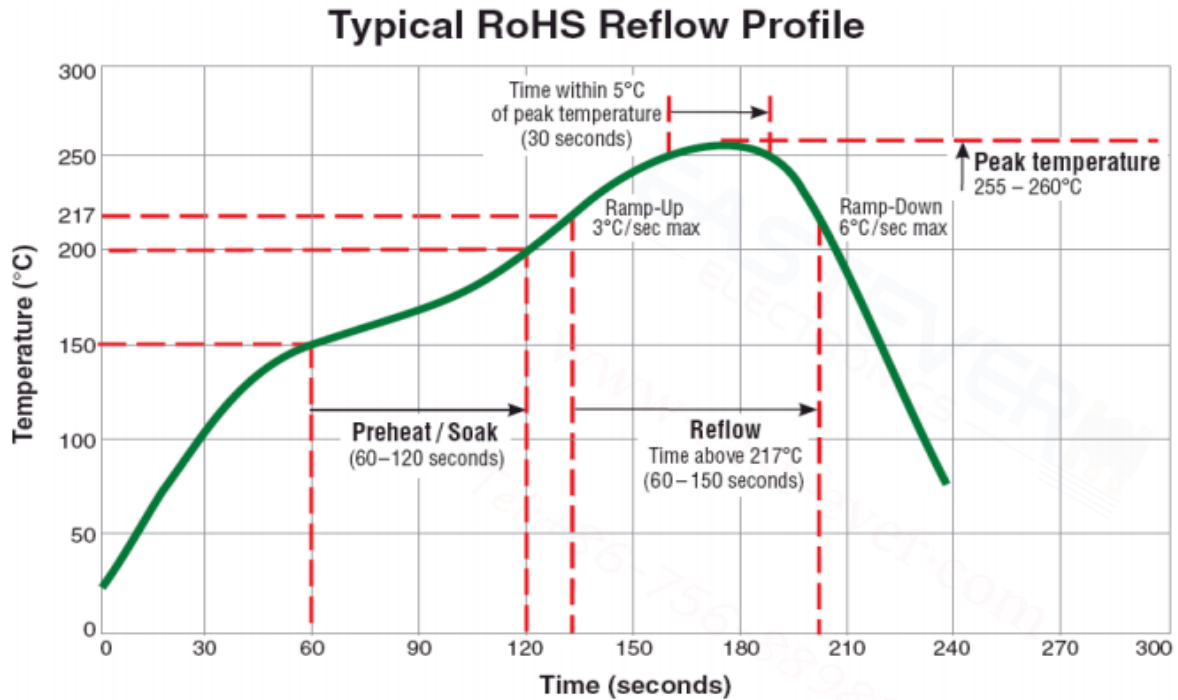
Input Return Loss



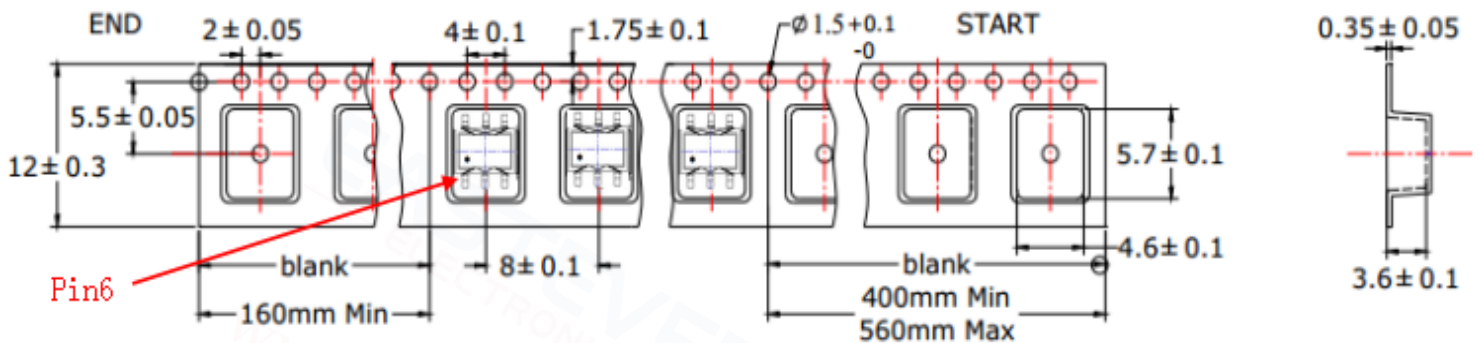
Isolation



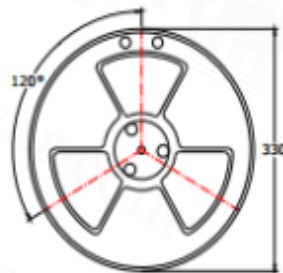
**Recommended Soldering Temperature Graph:**



**Packing Dimension For Caeier Tape(UNIT:mm):**



<b>QUANTITY</b>
2000PCS/Reel
4 Reels/Middle Carton Middle Carton:
4 Middle Cartons/Big Carton
32000PCS/ Big Carton



SPEC	8	12	16	24
DIM A±0.1	8.5	12.5	16.5	24.5
DIM B±0.1	2.3	2.3	2.3	2.3
DIM C±0.1	100	100	100	100

