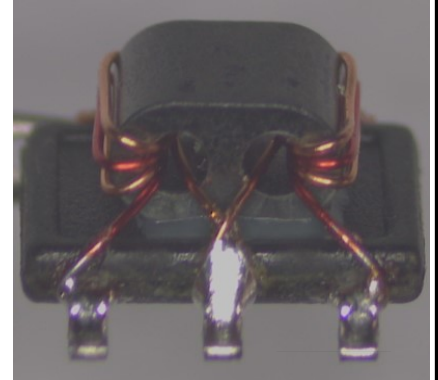




Features::

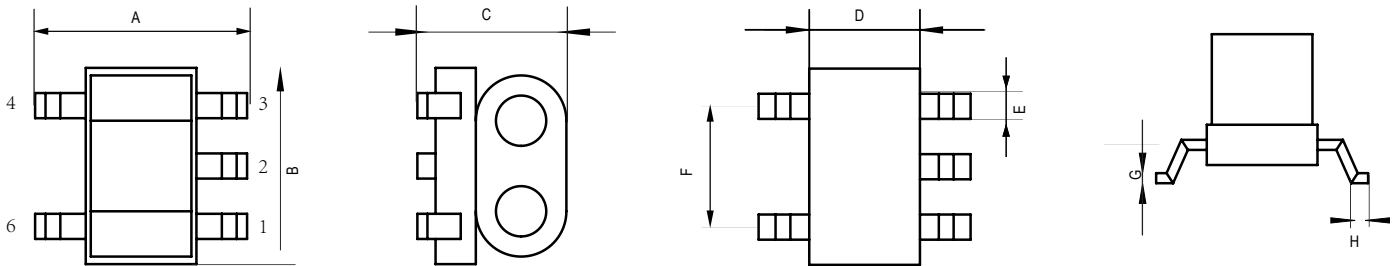
- ◆ Equivalent to: 33-B6030C-1221P
- ◆ 2 Way-0° Power Splitter/Combiner
- ◆ 75Ω Characteristic Impedance
- ◆ Power Input(as a splitter): 0.50W Max
- ◆ DC current: 30mA
- ◆ Operating temperature range: -40°C to +85°C
- ◆ Storage temperature range: -55°C to +100°C



Applications:

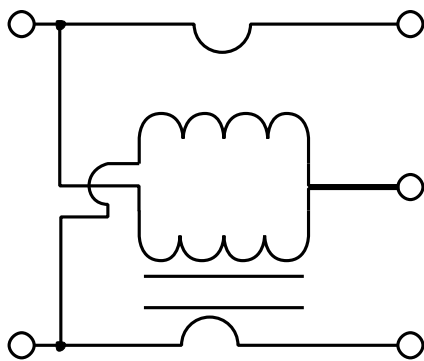
- ◆ For broadband and wireless communications
- ◆ For VHF/UHF receivers/transmitters and push-pull amplifiers

Dimension Diagram (Unit:mm) :

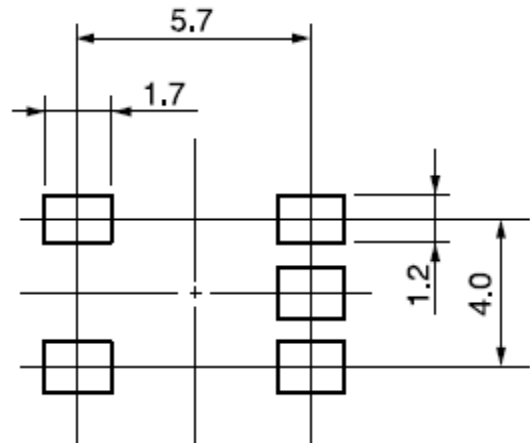


A=6.20±0.20 B=6.00±0.20 C=4.30±0.20 D=4.00±0.20 E=0.60±0.10 F=4.00±0.10 G=0.25±0.10 H=0.50±0.10

Electrical structure:



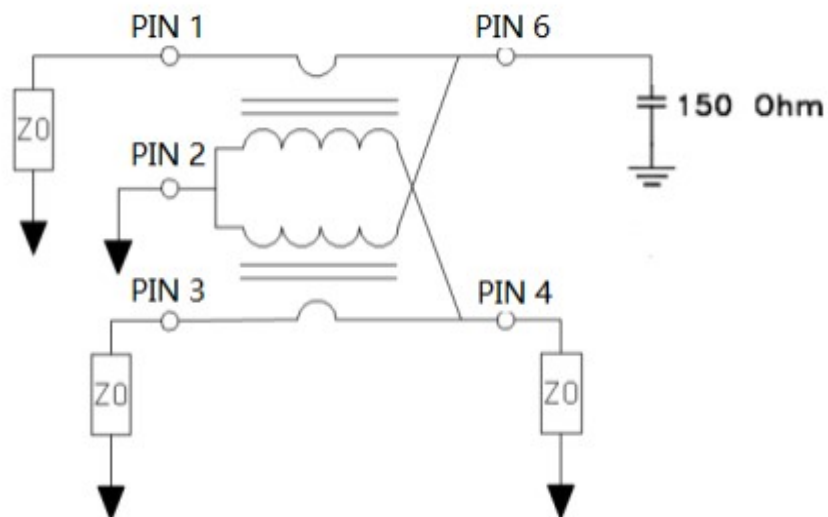
Recommended layout:



Pin configuration:

Pin No	Function
1	Input
2	Ground
3	Output 1
4	Output 2
6	External 150Ω Resistor

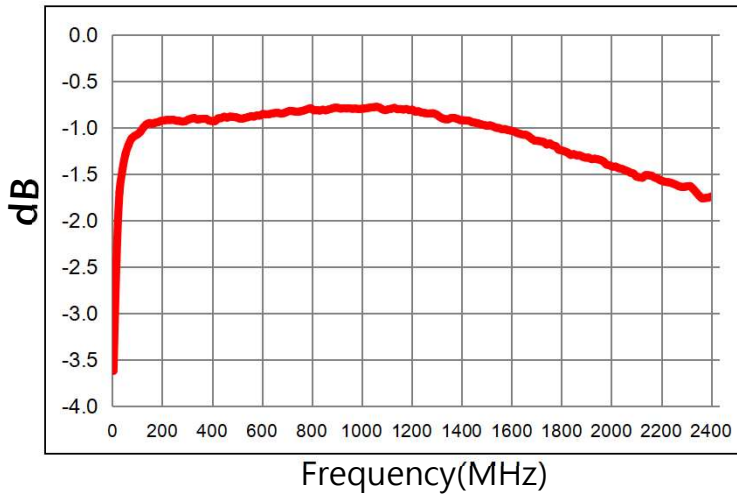
Application circuit :



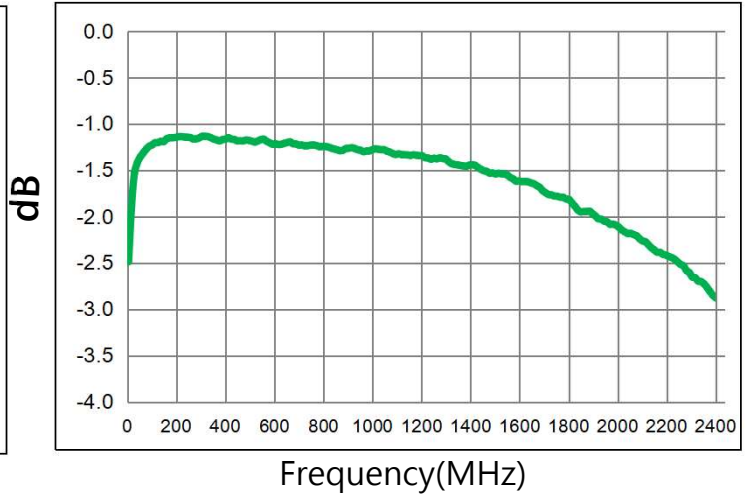
Electrical Specifications: TA=25°C Z0=75Ω

Parameter	Test Conditions	Units	Min	Typ	Max
Main line Loss(out1)	5-2400MHz	dB	—	1.0	4.0
Main line Loss(out2)	5-2400MHz	dB	—	1.2	4.0
Input Return Loss	5-2400MHz	dB	5.0	12.5	—
Output 1 Return Loss	5-2400MHz	dB	3.0	15.0	—
Output 2 Return Loss	5-2400MHz	dB	2.0	20.0	—
Isolation	5-2400MHz	dB	10.0	15.0	—

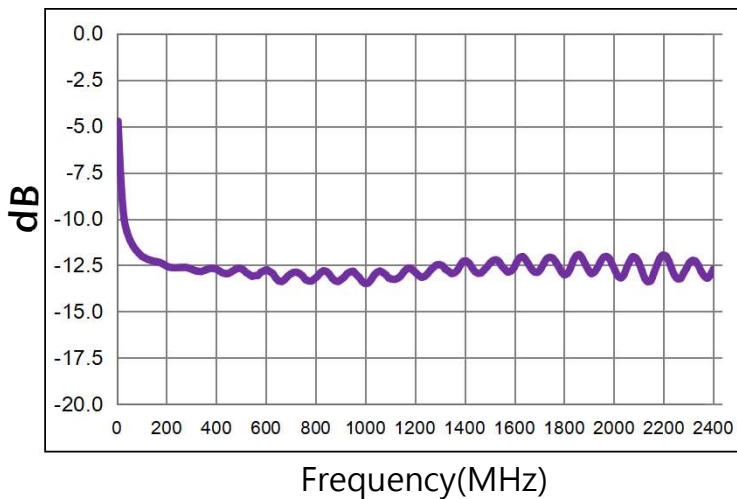
Main line Loss(port1)



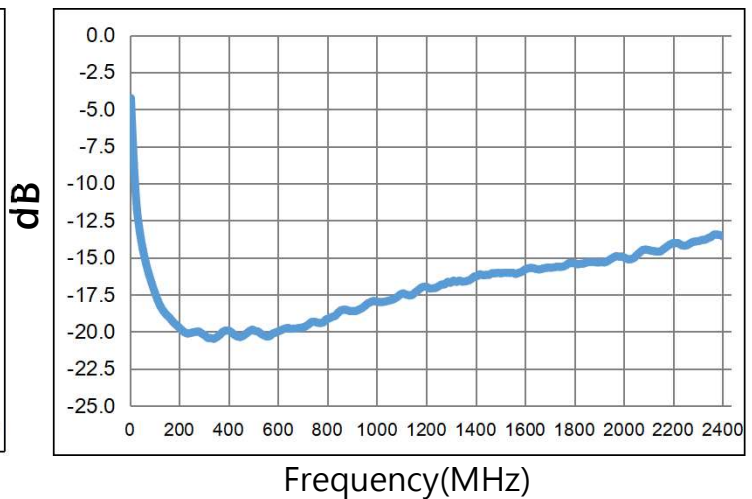
Main line Loss(port2)



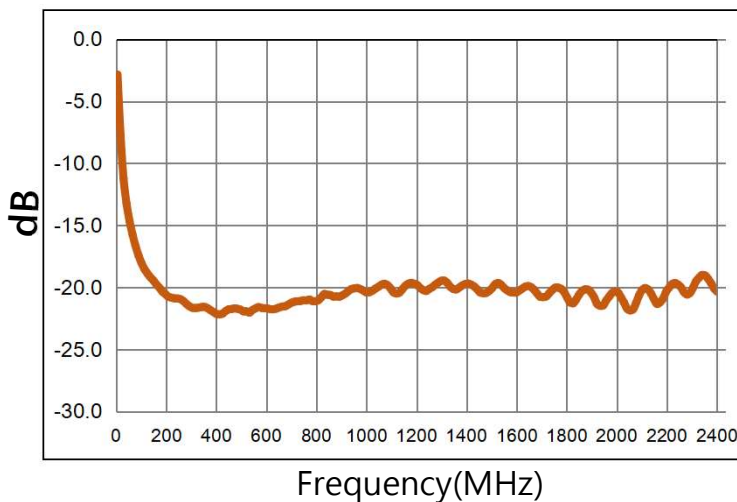
Input Return Loss(pin1)



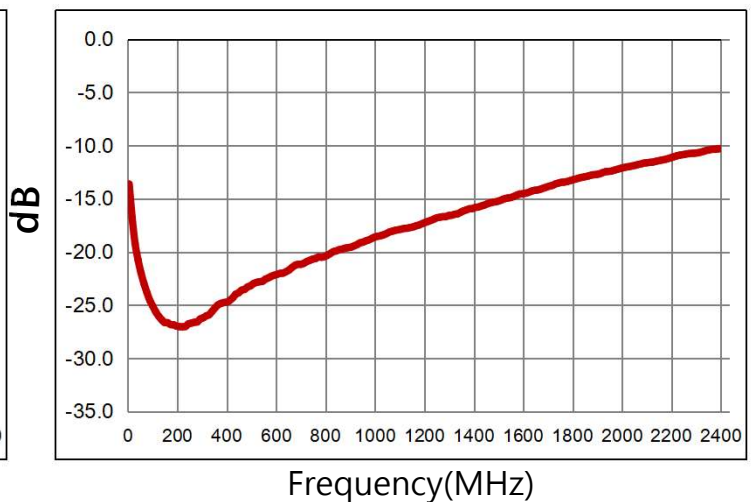
Output 1 Return Loss(pin3)



Output 2 Return Loss(pin4)

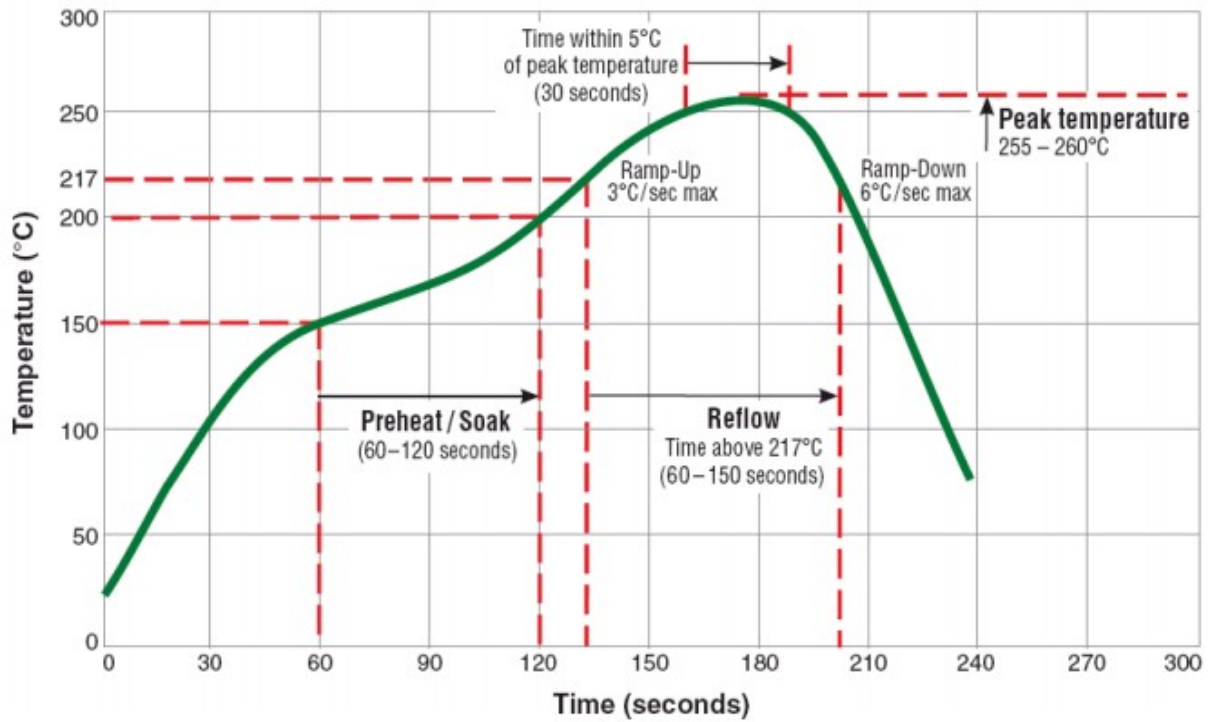


Isolation(pin4-3)

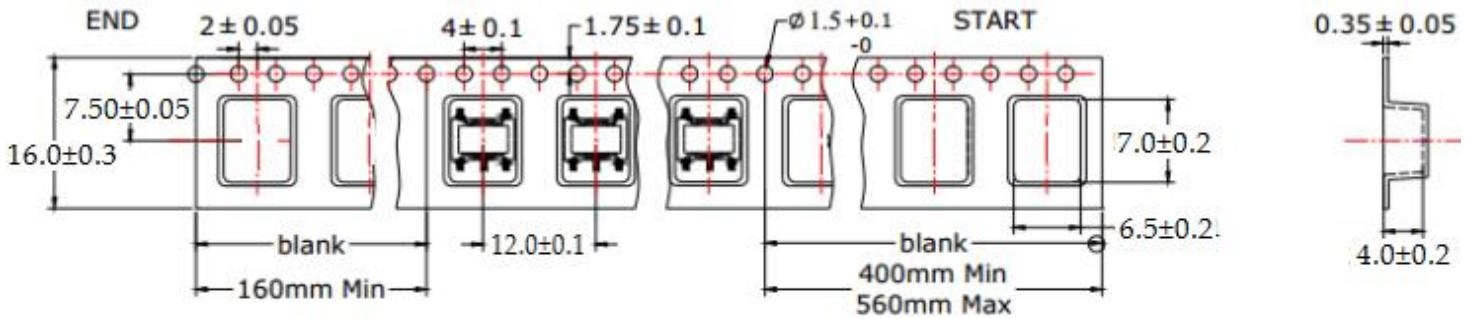


Recommended Soldering Temperature Graph:

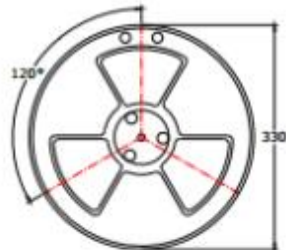
Typical RoHS Reflow Profile



Packaging Dimension For Caeier Tape(UNIT:mm):



QUANTITY
1000PCS/Reel
3Reels/Middle Carton Middle Carton:
4 Middle Cartons/Big Carton
12000PCS/ 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

