

Features::

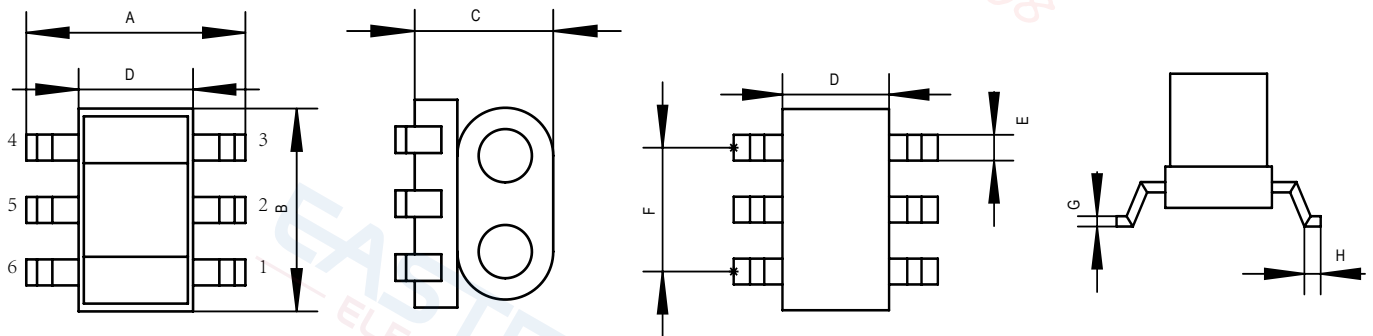
- ◆ Equivalent to: B4538311
- ◆ 75Ω Characteristic Impedance
- ◆ Frequency: 5to1000 MHz
- ◆ Power Input(as a splitter): 0.30W Max
- ◆ DC current: 30mA
- ◆ Operating temperature range: -40°C to +85°C
- ◆ Storage temperature range: -55°C to +100°C



Applications:

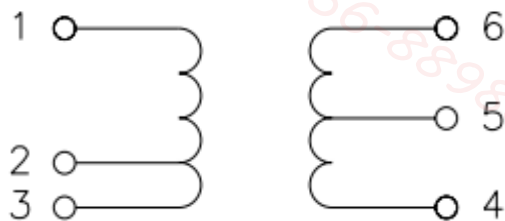
- ◆ For broadband and wireless communications
- ◆ For VHF/UHF receivers/transmitters and push-pull amplifiers

Dimension Diagram (Unit:mm) :

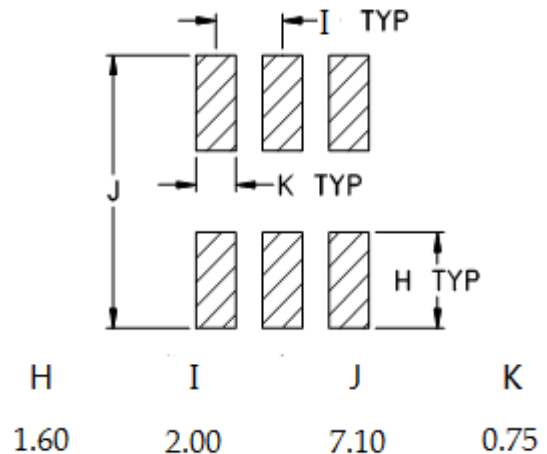


A=6.20±0.20 B=6.00±0.20 C=4.30±0.20 D=4.00±0.20 E=0.6±0.10 F=4.00±0.10 G=0.25±0.10 H=0.50±0.10

Electrical structure:



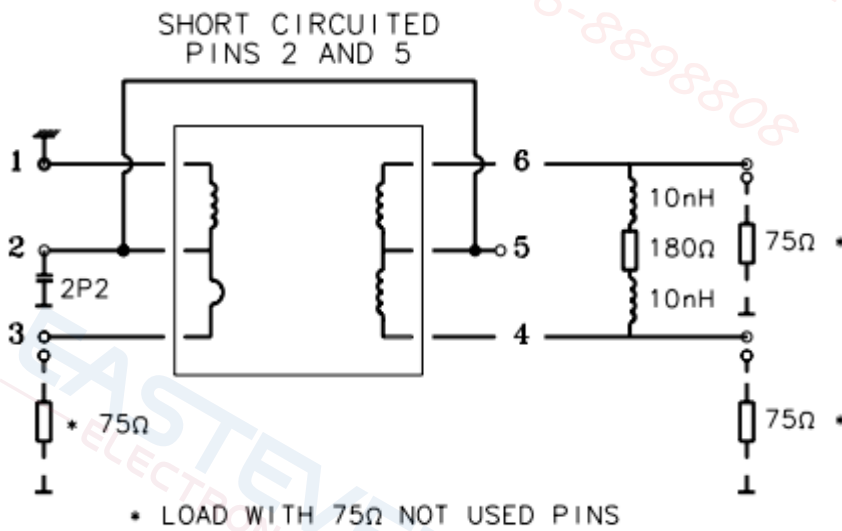
Recommended layout:



Pin configuration:

SUM PORT	3
PORT 1	4
PORT 2	6
GROUND	1
CONNECT	2,5
EXT. RESISTOR 10nH-180Ω-10nH	3,4
EXT. CAPACITOR 2.2PF	2 OR 5 TO GND

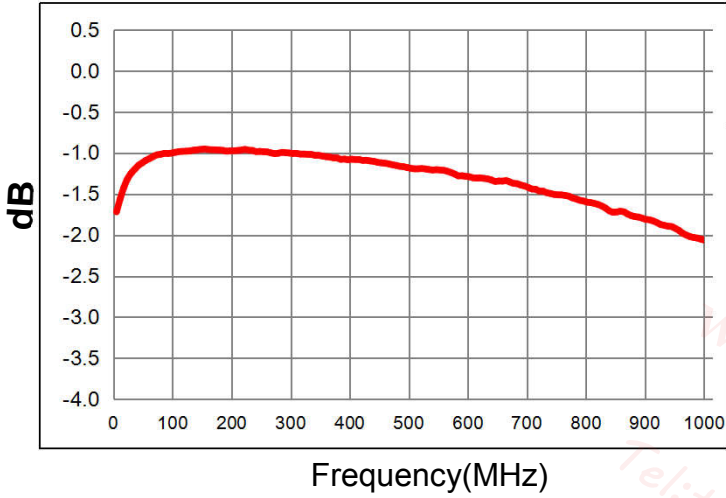
Application circuit :



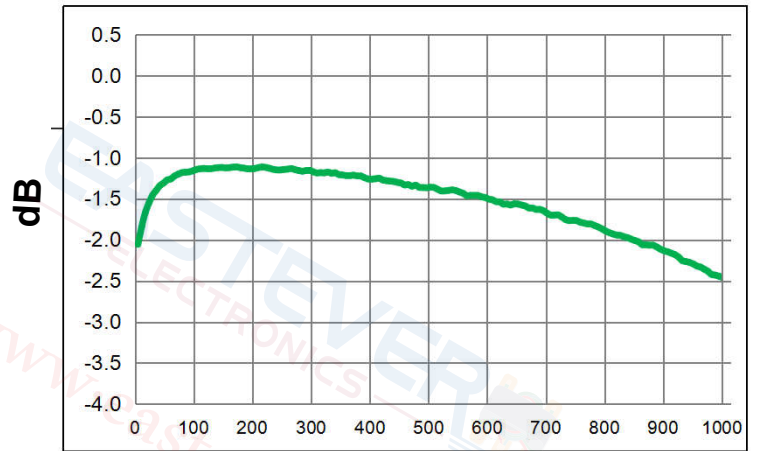
Electrical Specifications: TA=25°C , 0dBm,Z0=75Ω:

Parameter	Test Conditions	Units	Min	Typ	Max
Main line Loss(out1)	5-1000MHz	dB	—	1.0	2.5
Main line Loss(out2)	5-1000MHz	dB	—	1.3	3.0
Input Return Loss	5-1000MHz	dB	5.0	15.0	—
Output1 Return Loss	5-1000MHz	dB	5.0	20.0	—
Output2 Return Loss	5-1000MHz	dB	5.0	20.0	—
Isolation	5-1000MHz	dB	8.0	25.0	—

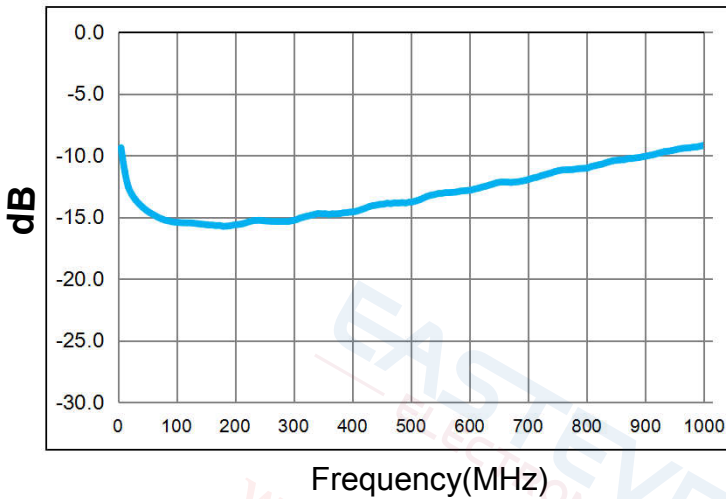
Main line Loss(port1)



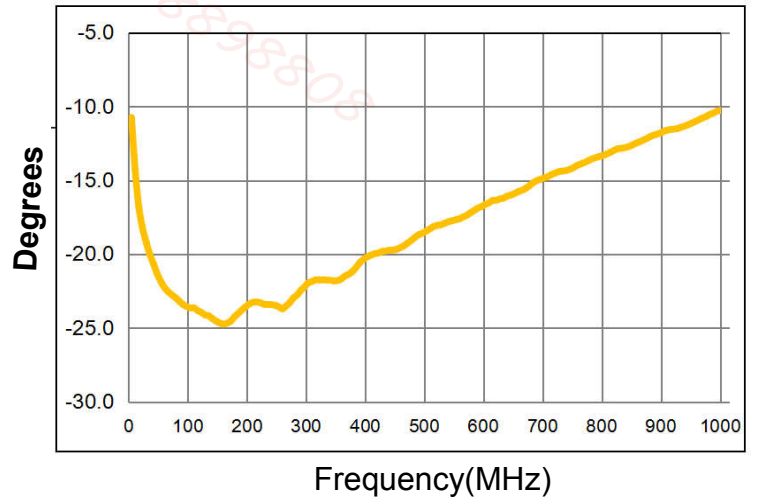
Main line Loss(port2)



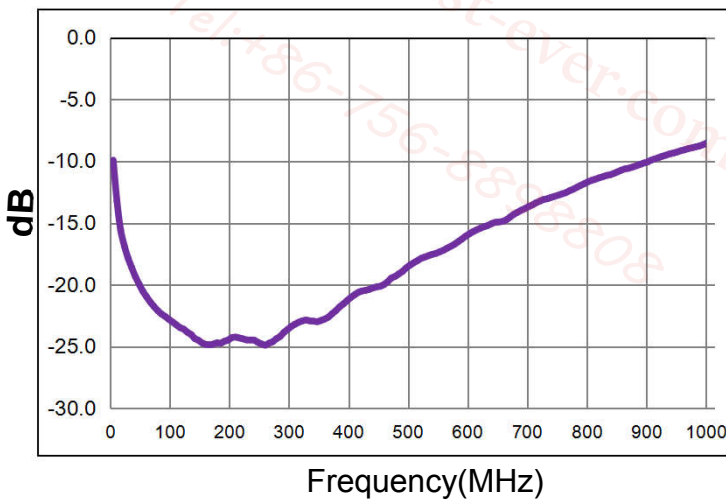
Input Return Loss (S11)



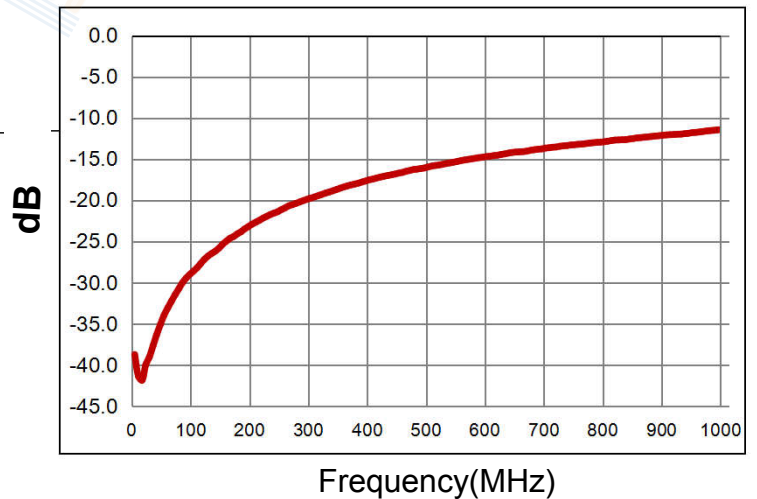
Output 1 Return Loss (S22)



Output 2 Return Loss (S33)

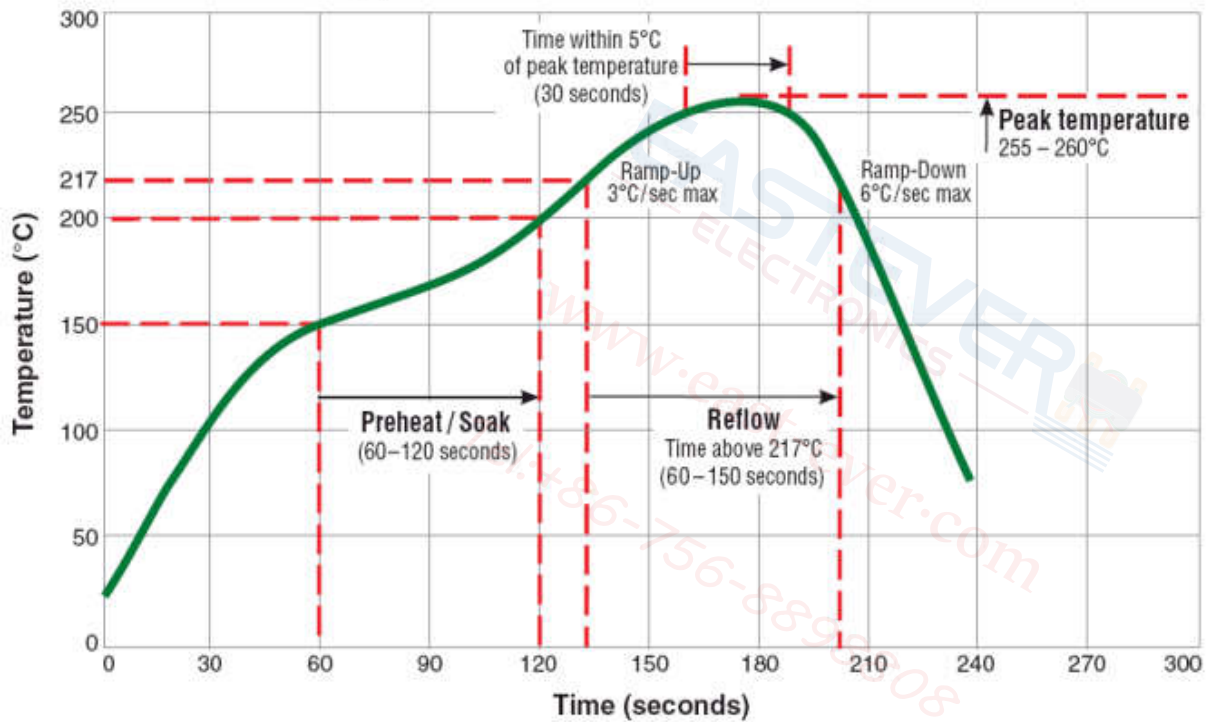


Isolation

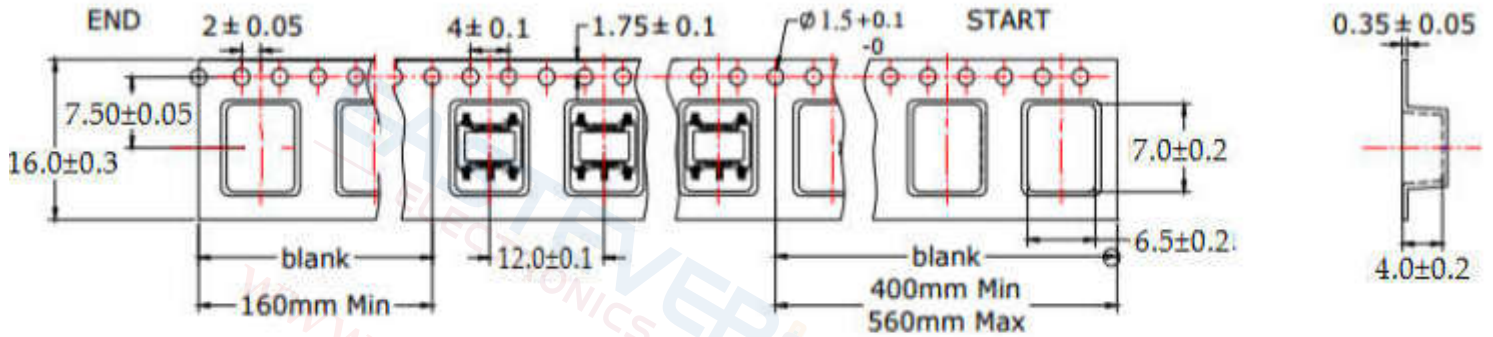


Recommended Soldering Temperature Graph:

Typical RoHS Reflow Profile



Packing 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

