

Features:

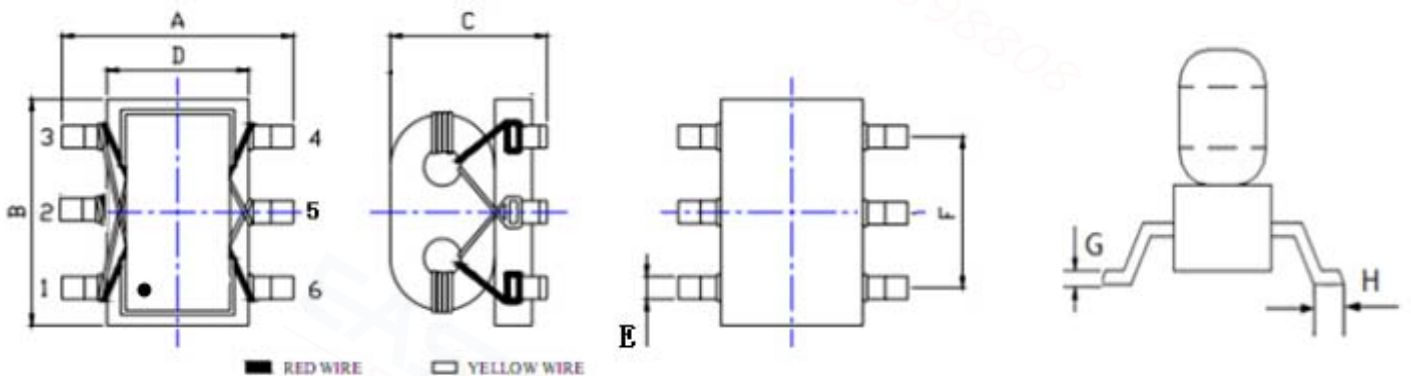
- ◆ Equivalent to:425016
- ◆ 75Ω Characteristic Impedance
- ◆ Frequency: 5to1000 MHz
- ◆ Power Input(as a splitter): 0.50W Max
- ◆ DC current: 30mA
- ◆ Operating temperature range: -40°C to +85°C
- ◆ Storage temperature range: -55°C to +100°C



Applications:

- ◆ For CATV broadb and FTTX applications
- ◆ For VHF/UHF receivers/transmitters and push-pull amplifiers

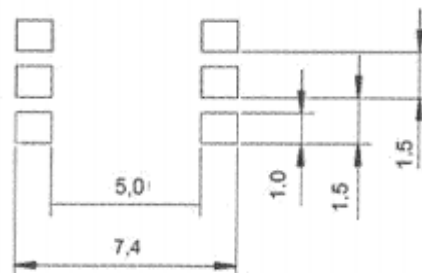
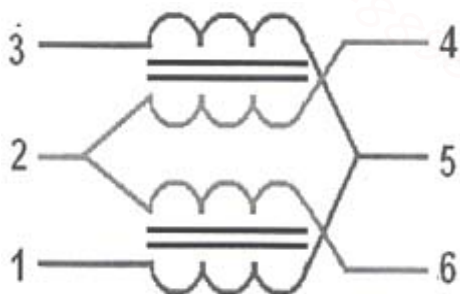
Dimension Diagram (Unit:±0.20mm) :



A=6.70±0.30 B=5.7±0.30 C=4.5Max D=4.5±0.20 E=0.60±0.10 F=3.00±0.10 G=0.25±0.05 H=0.60±0.10

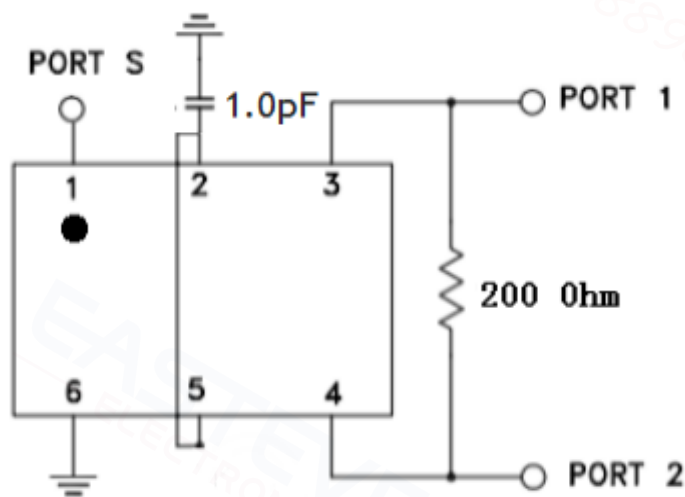
Electrical structure:

Recommended layout:



Pin configuration:

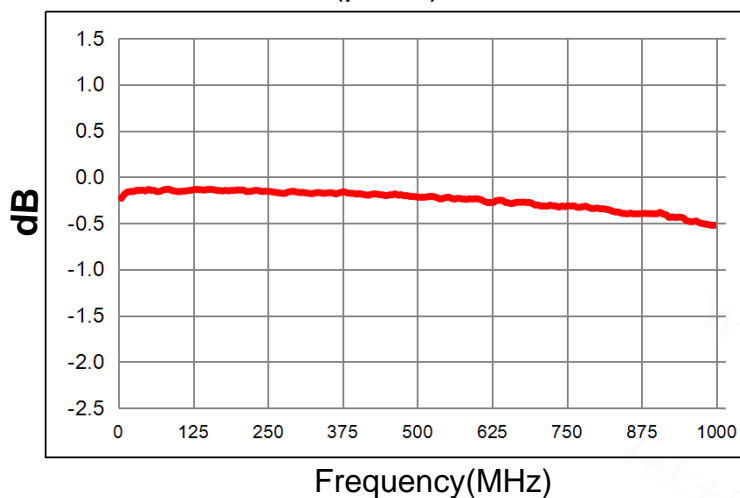
GROUND	6
PORT1	3
PORT2	4
SUM PORT	1
CONNECT	2,5
EXT.RESISTOR 200Ω	3,4
EXT.CAPACITOR 1.0PF	2 OR 5 TO GND

Application circuit :

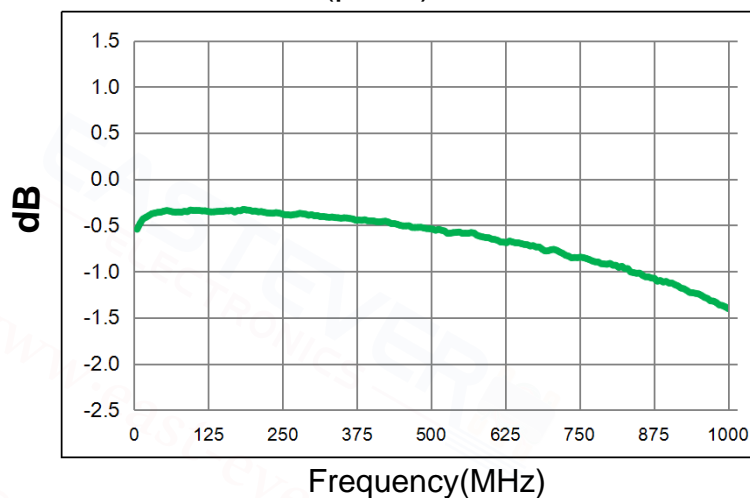
Electrical Specifications: $T_A = 25^\circ\text{C}$ $Z_0 = 75\Omega$

Parameter	Test Conditions	Units	Min	Typ	Max
Main line Loss(out1)	5-1000MHz	dB	—	0.3	1.0
Main line Loss(out2)	5-1000MHz	dB	—	0.5	2.0
Input Return Loss	5-1000MHz	dB	18.0	30.0	—
Output 1 Return Loss	5-1000MHz	dB	16.0	25.0	—
Output 2 Return Loss	5-1000MHz	dB	16.0	20.0	—
Isolation	5-1000MHz	dB	16.0	20.0	—

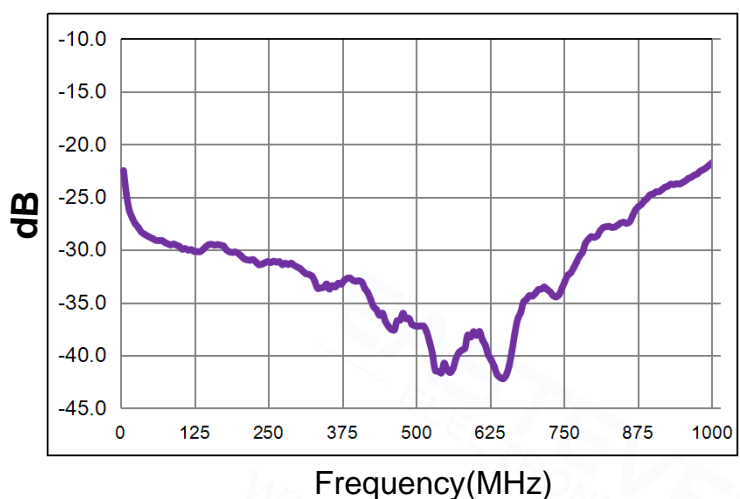
Main line Loss(port1)



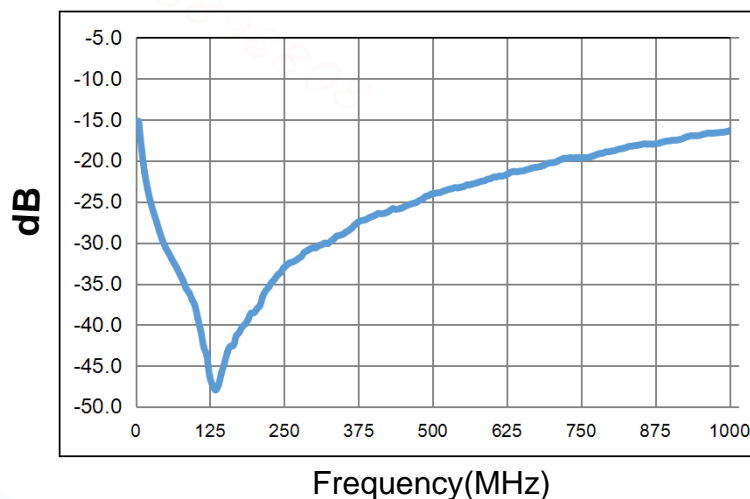
Main line Loss(port2)



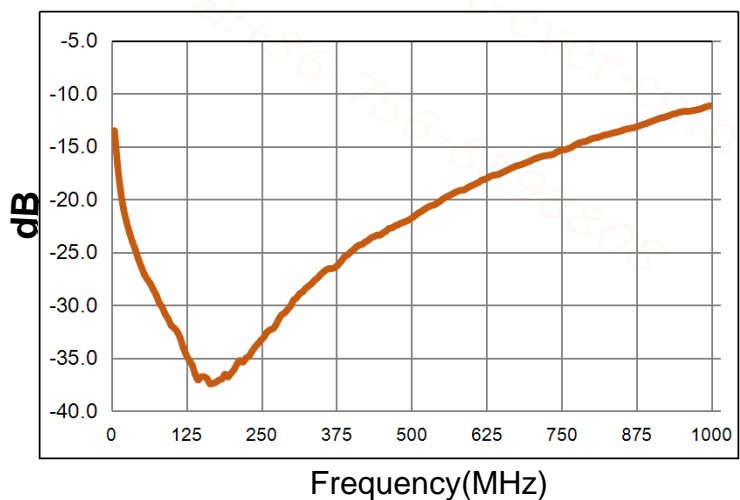
Input Return Loss(pin1)



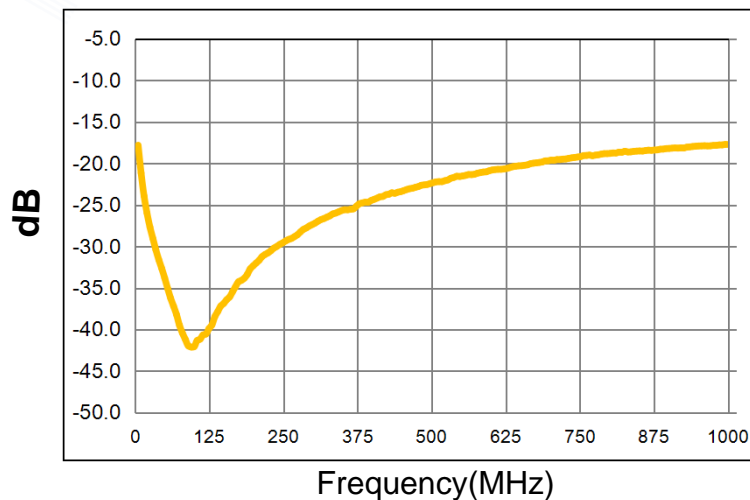
Output 1 Return Loss(pin3)



Output 2 Return Loss(pin4)

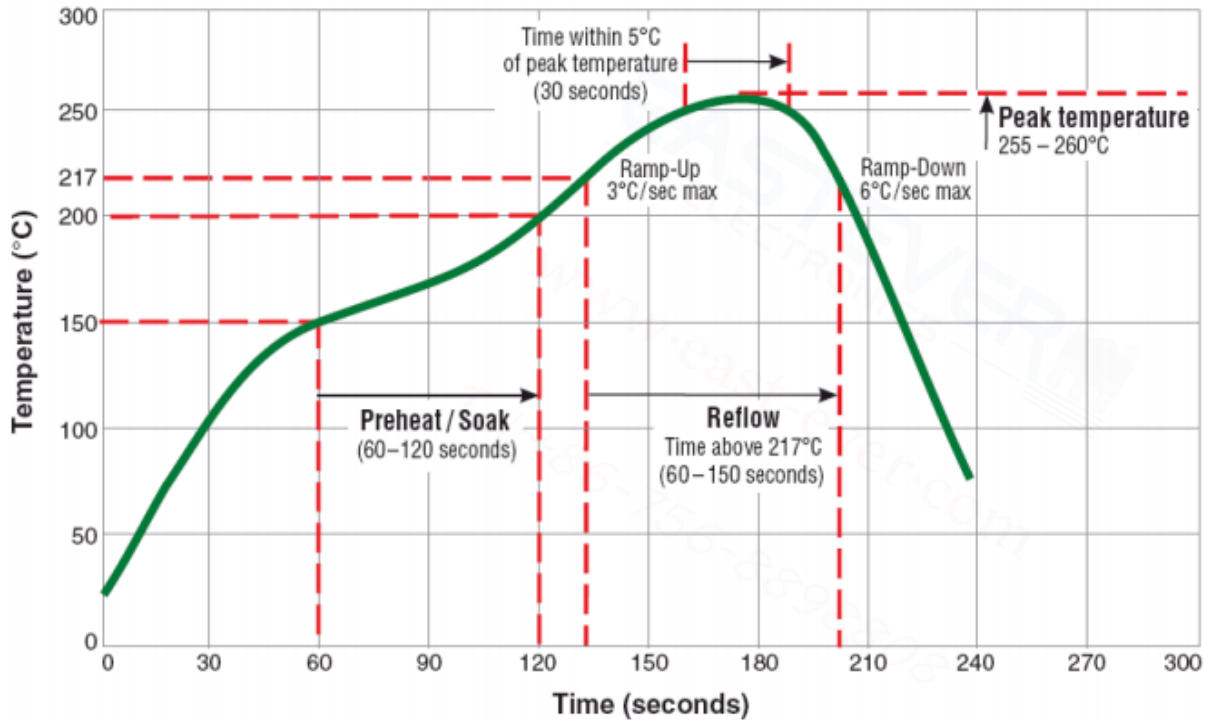


Isolation (pin3-4)

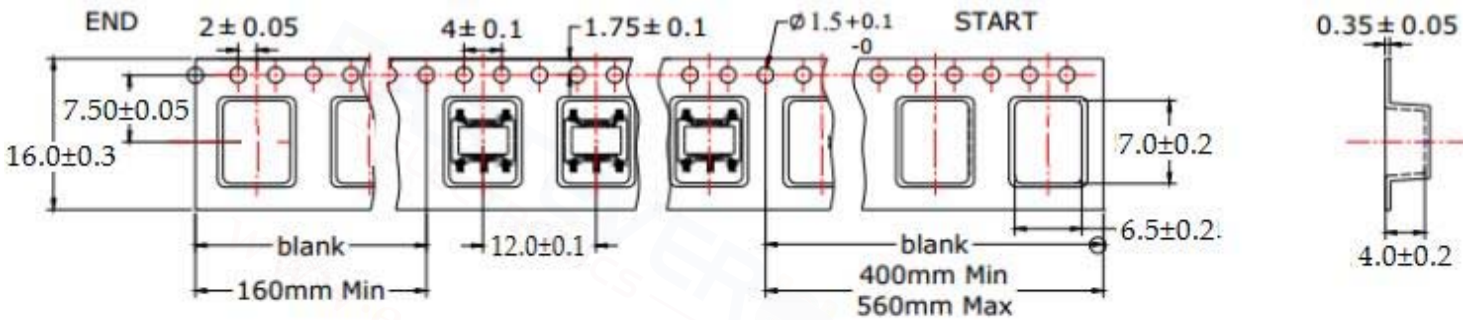


Recommended Soldering Temperature Graph:

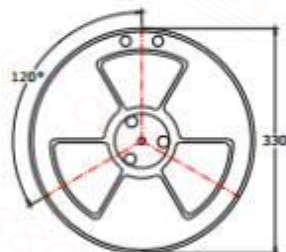
Typical RoHS Reflow Profile



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

