

**Features:**

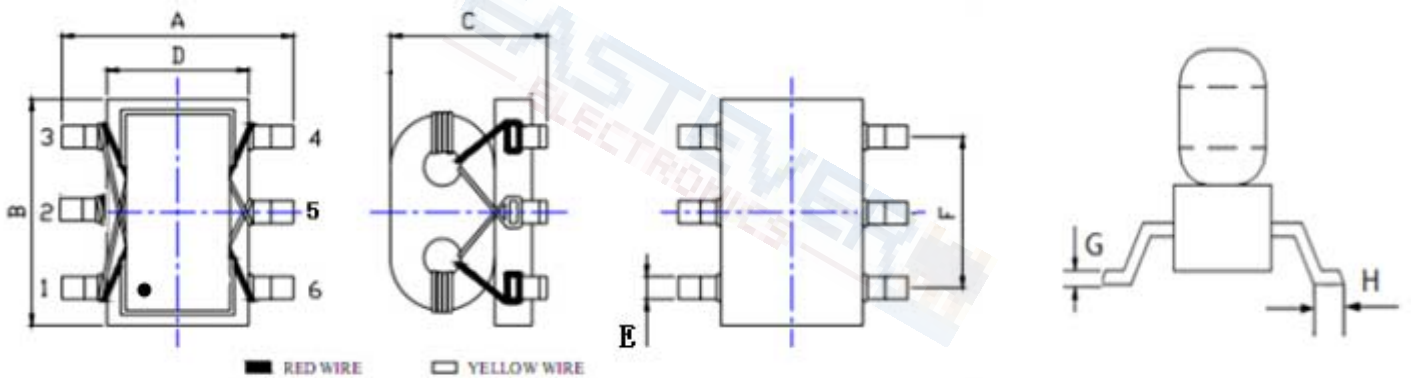
- ◆ Equivalent to: 425016
- ◆ 75Ω Characteristic Impedance
- ◆ Frequency: 5 to 1000 MHz
- ◆ Power Input (as a splitter): 0.50W Max
- ◆ DC current: 30mA
- ◆ Operating temperature range: -40°C to +85°C
- ◆ Storage temperature range: -55°C to +100°C



**Applications:**

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

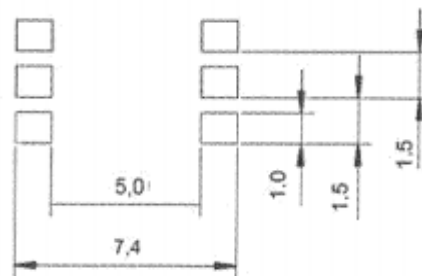
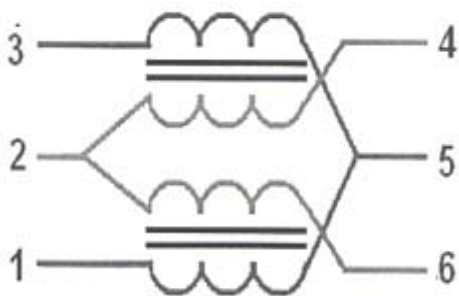
**Dimension Diagram (Unit: ±0.20mm) :**



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

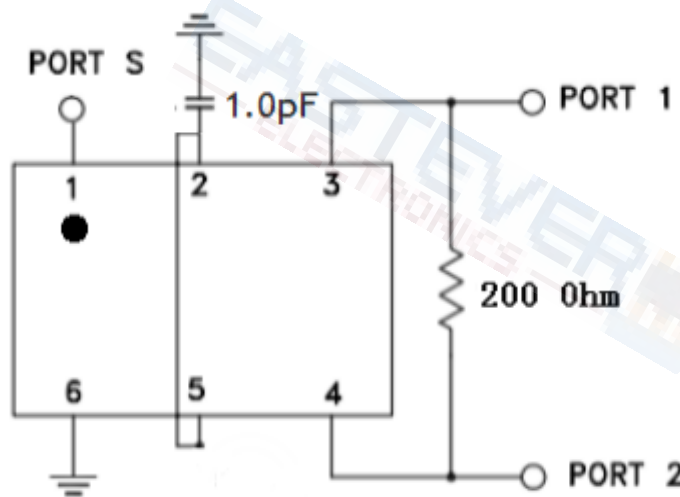
**Electrical structure:**

**Recommended layout:**



**Pin configuration:**

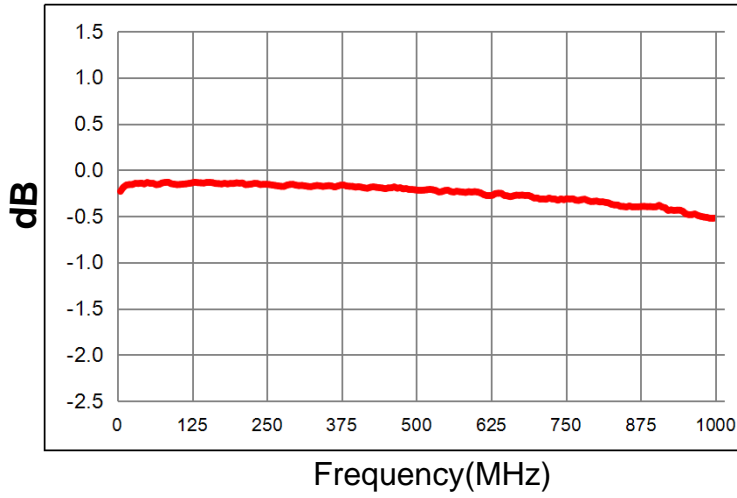
GROUND	6
PORT1	3
PORT2	4
SUM PORT	1
CONNECT	2,5
EXT.RESISTOR 200Ω	3,4
EXT.CAPACITOR 1.0PF	2 OR 5 TO GND

**Application circuit :**

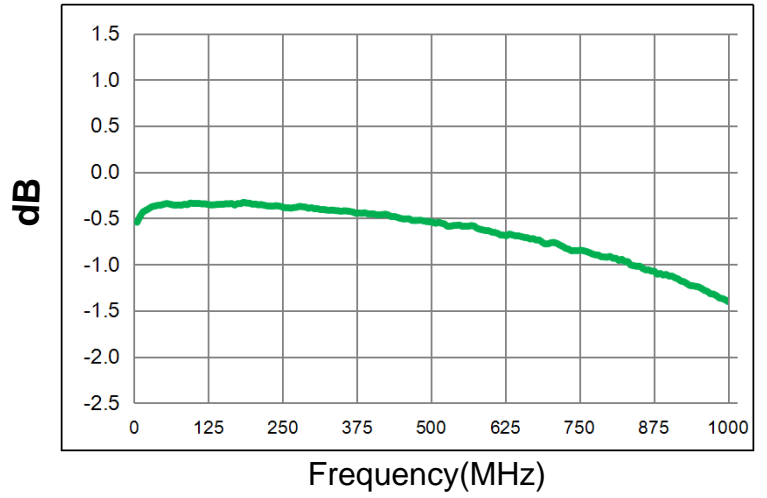
**Electrical Specifications:**  $T_A = 25^\circ\text{C}$   $Z_0 = 75\Omega$

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	—

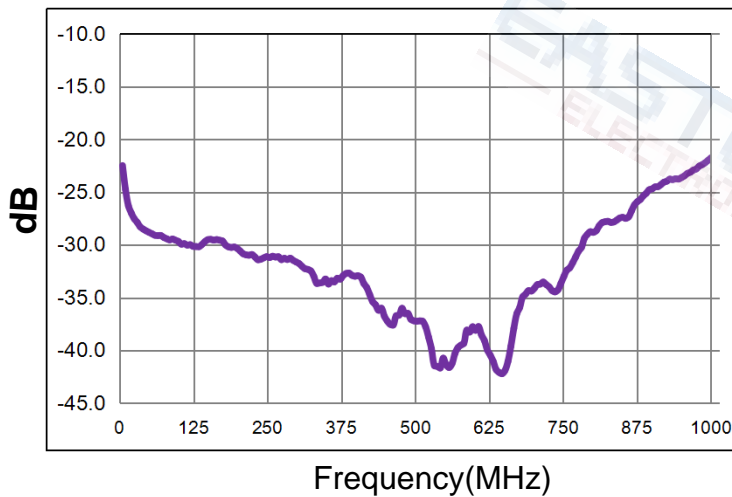
Main line Loss(port1)



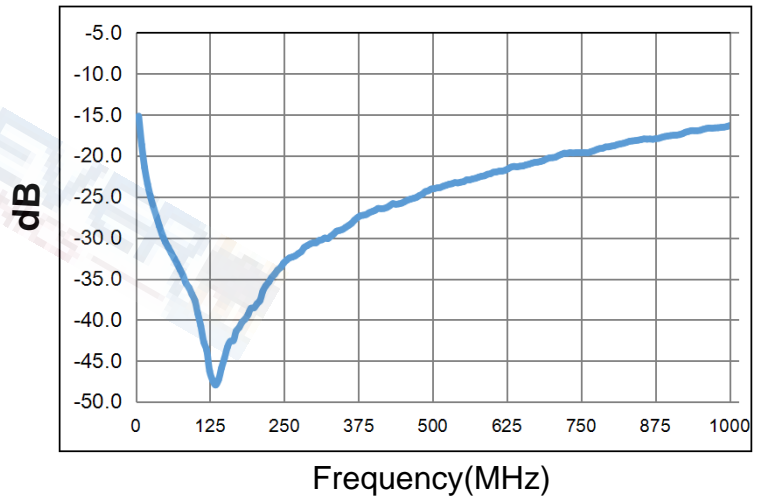
Main line Loss(port2)



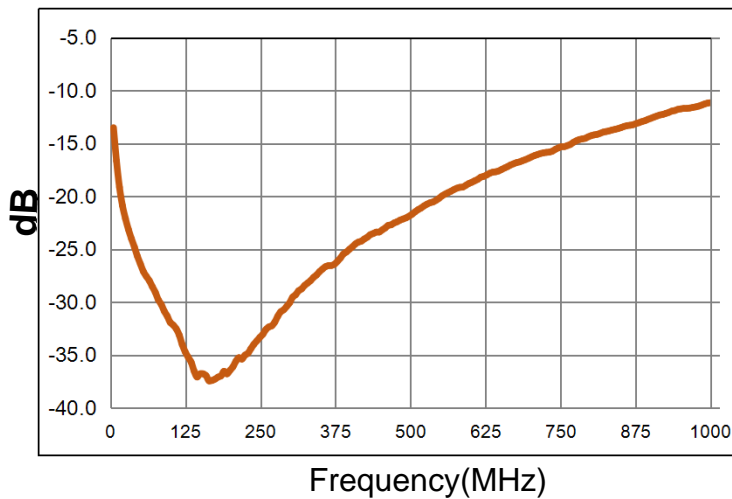
Input Return Loss(pin1)



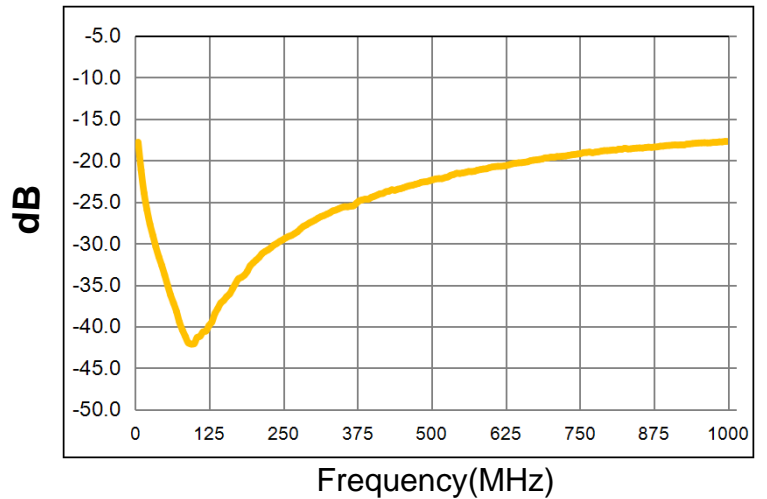
Output 1 Return Loss(pin3)



Output 2 Return Loss(pin4)

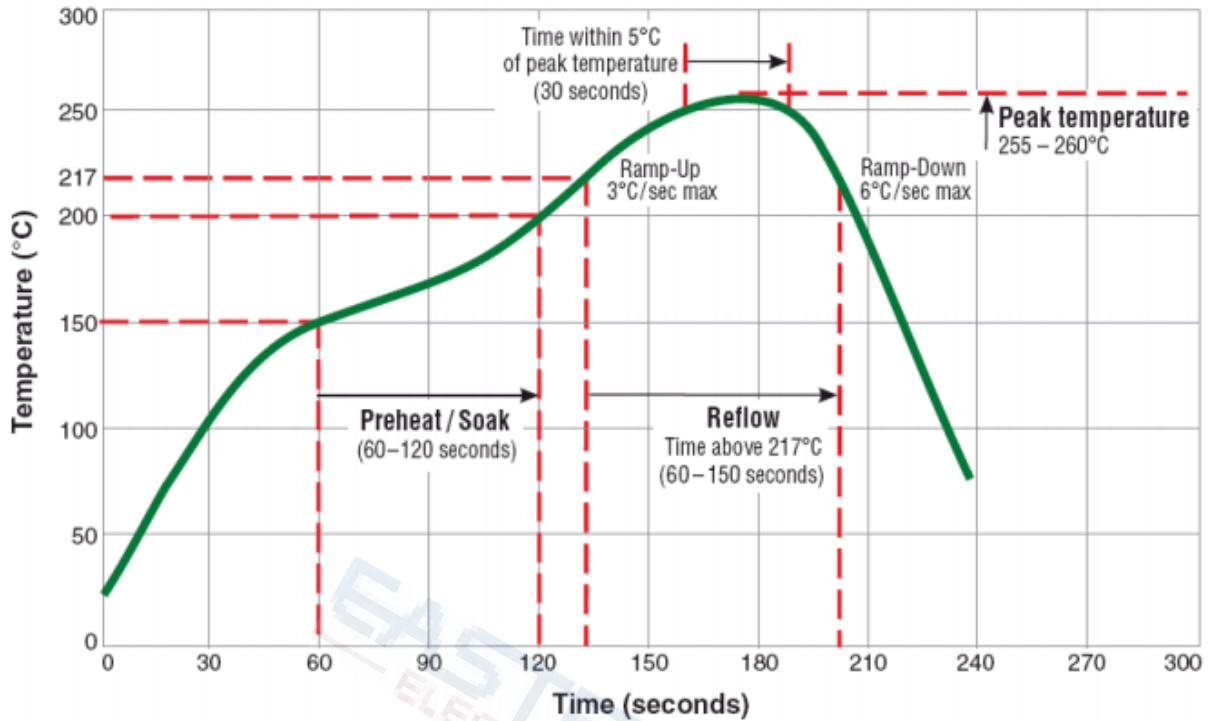


Isolation(pin3-4)

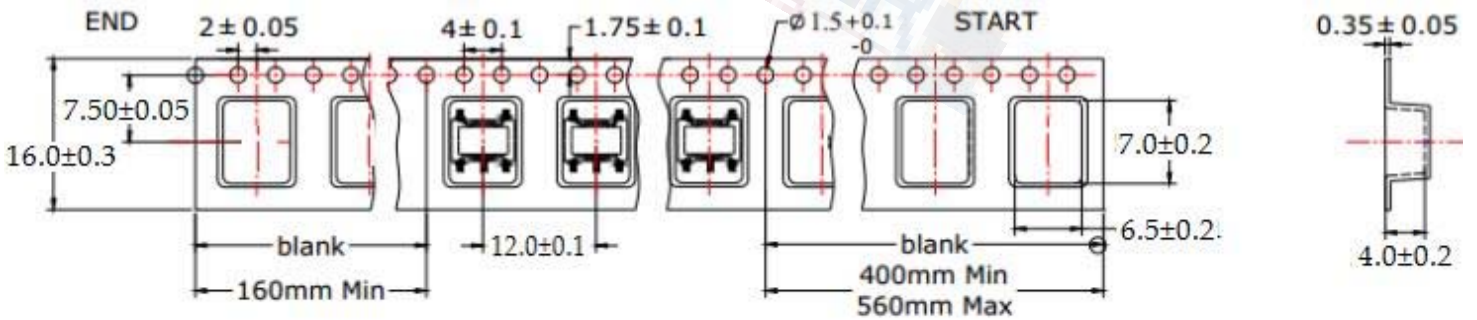


**Recommended Soldering Temperature Graph:**

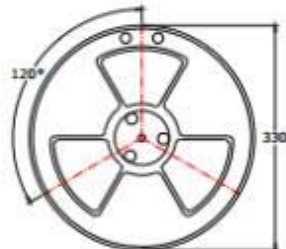
**Typical RoHS Reflow Profile**



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



<b>QUANTITY</b>
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

