

**Features:**

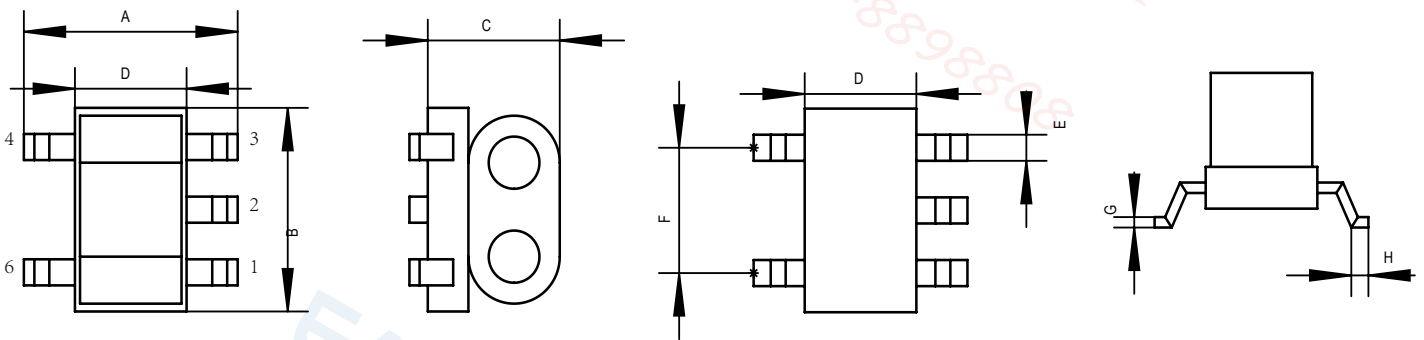
- ◆ Equivalent to:0140388
- ◆ Surface mount and available in tape and reel
- ◆ 260°C reflow compatible
- ◆ RoHS Compliant and Pb free
- ◆ Operating temperature range: -40°C to +85°C
- ◆ Storage temperature range: -55°C to +100°C



**Applications:**

- ◆ For catv
- ◆ For broadband and wireless communications

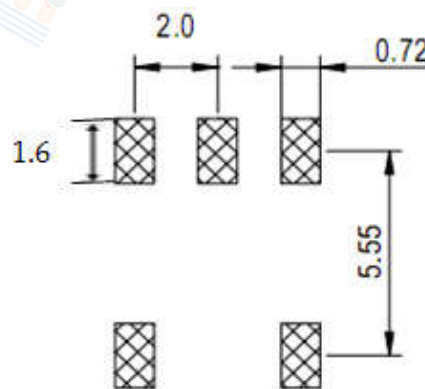
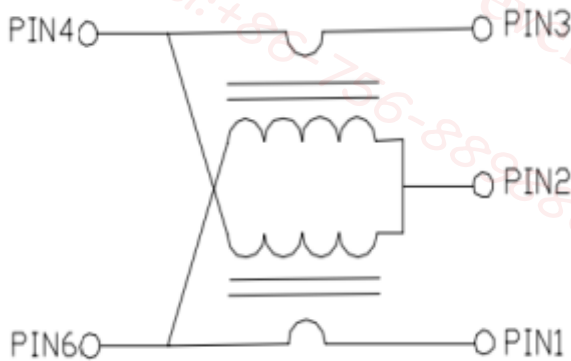
**Dimension diagram (Unit:mm) :**



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:**

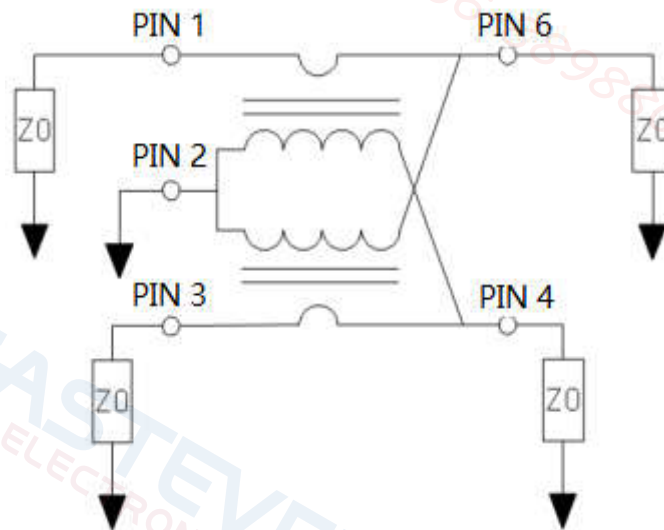
**Recommended layout(mm):**



Pin configuration:

Pin no.	Function
1	Input
2	Ground
3	Coupled
4	Isolated
6	Output

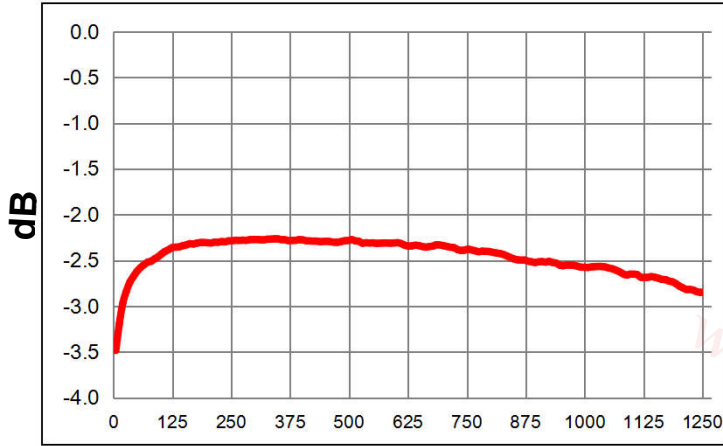
Application circuit :



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

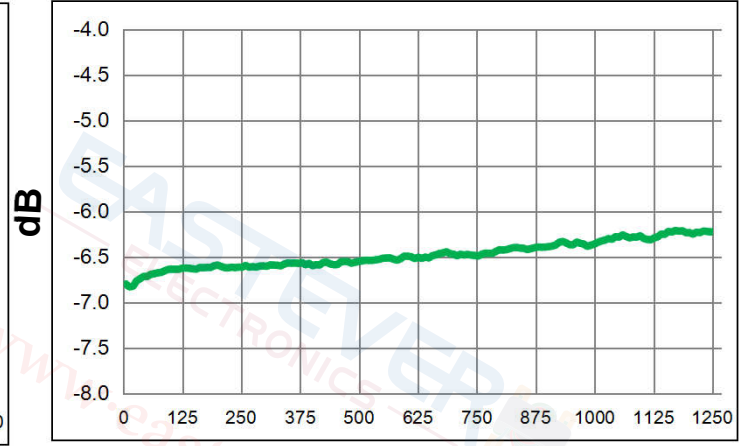
Parameter	Test Conditions	Units	Min	Typ	Max
Main line Loss	5-1800MHz	dB	—	2.20	3.8
Coupling	5-1800MHz	dB	6.0	6.6	7.6
Input Return Loss	5-1800MHz	dB	6.0	15.0	—
Output Return Loss	5-1800MHz	dB	6.0	25.0	—
Coupling Return Loss	5-1800MHz	dB	6.0	18.0	—
Isolation	5-1800MHz	dB	14.0	20.0	—

### Main line Loss(pin1-6):



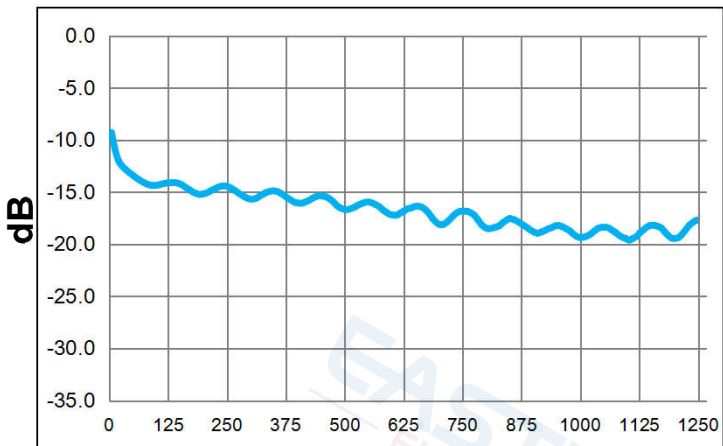
Frequency(MHz)

### Coupling(pin1-3):



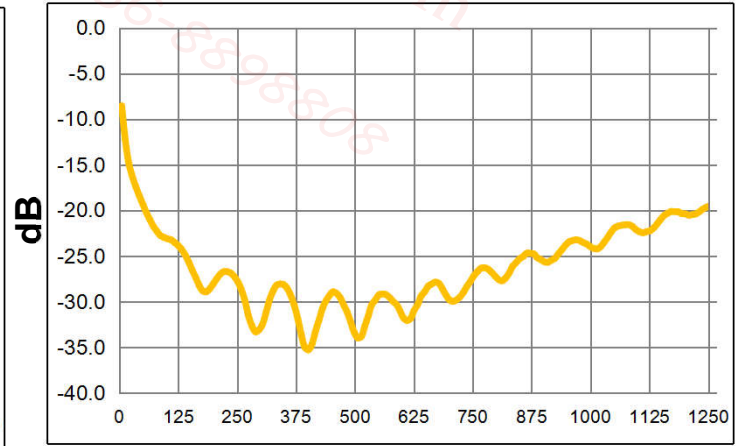
Frequency(MHz)

### Input Return Loss (Pin1)



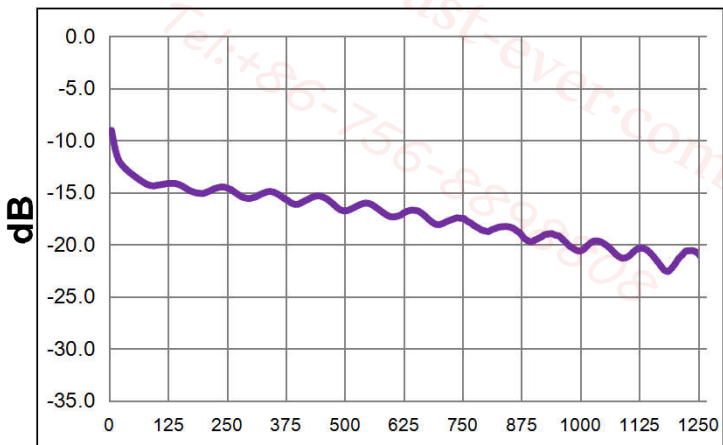
Frequency(MHz)

### Output Return Loss (Pin6)



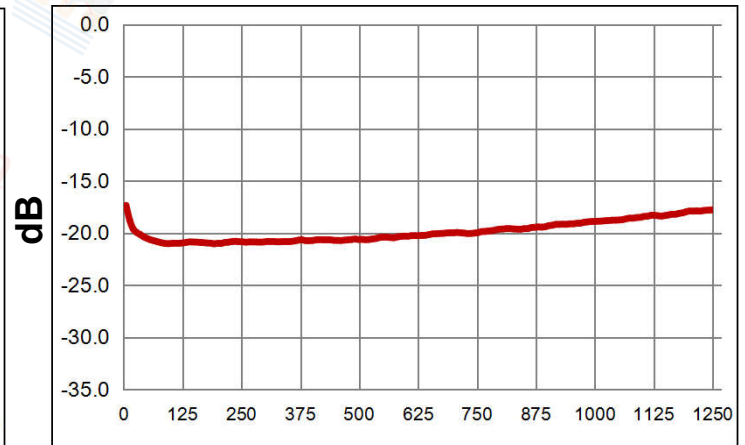
Frequency(MHz)

### Coupling Return Loss (Pin3)



Frequency(MHz)

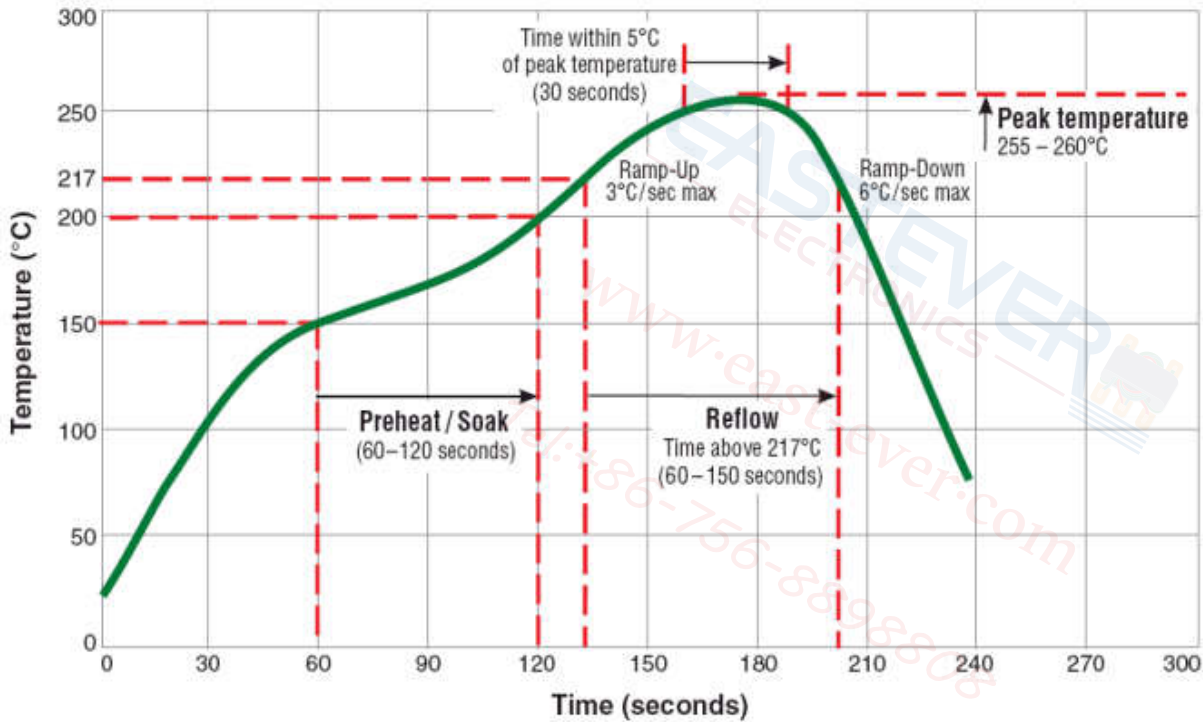
### Isolation (Pin1-4)



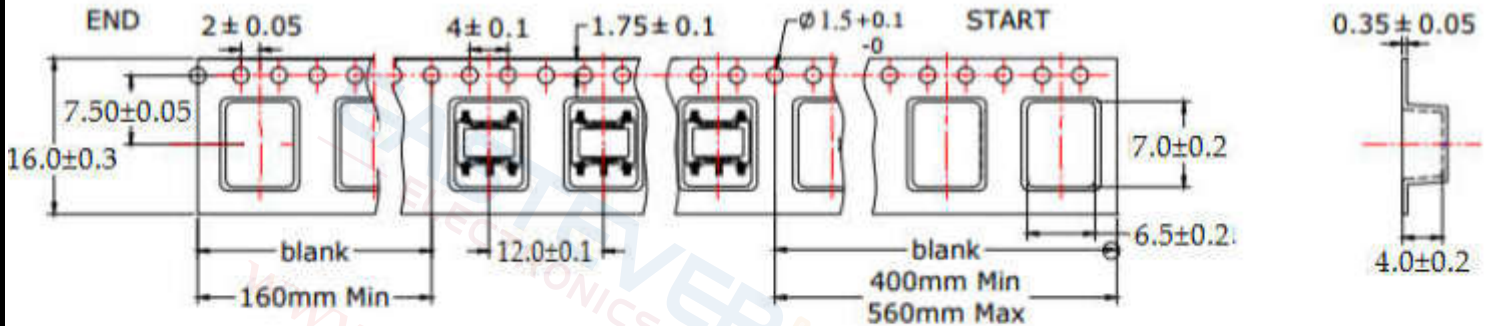
Frequency(MHz)

Recommended Soldering Temperature Graph:

Typical RoHS Reflow Profile



Packing 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

