

### Features:

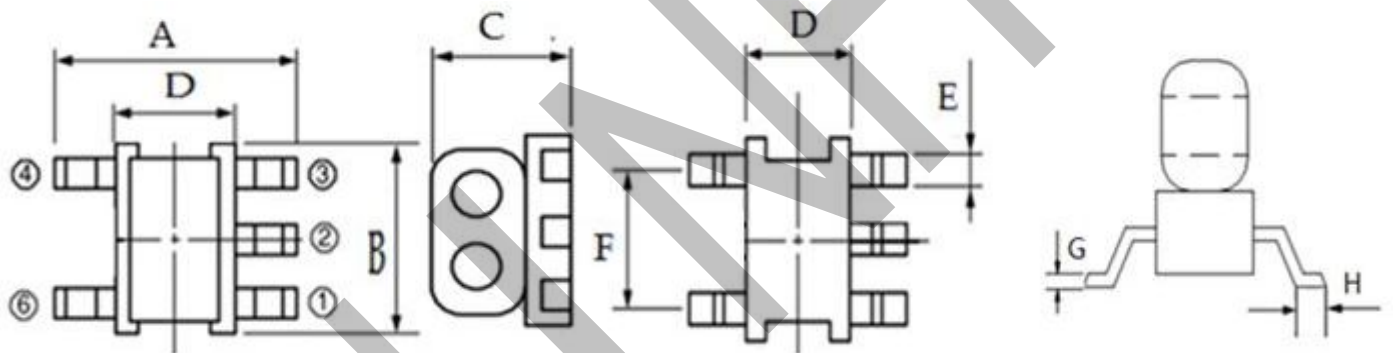
- ◆ Frequency Range: 5 to 1250 MHz
- ◆ Surface mount and available in tape and reel
- ◆ 260°C reflow compatible
- ◆ RoHS Compliant and Pb free
- ◆ Operating temperature range: -40°C to +85°C
- ◆ Storage temperature range: -55°C to +100°C



### Applications:

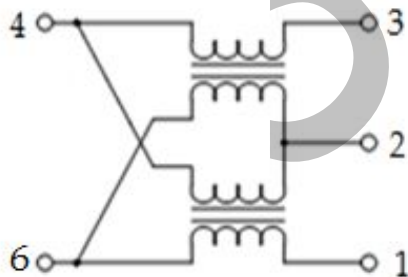
- ◆ For catv
- ◆ For broadband and wireless communications

### Dimension diagram (Unit:mm) :

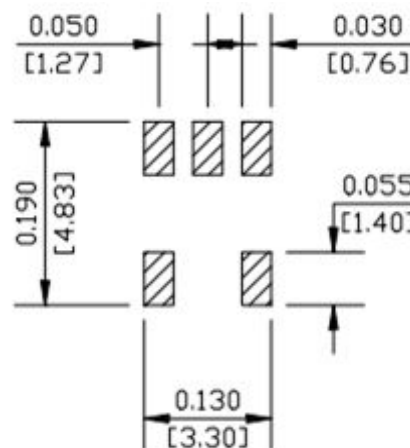


A=4.10±0.20 B=3.80±0.20 C=3.20±0.20 D=2.80±0.20 E=0.55±0.05 F=2.54±0.05 G=0.25±0.05 H=0.60±0.05

### Electrical structure:



### Recommended layout(mm):



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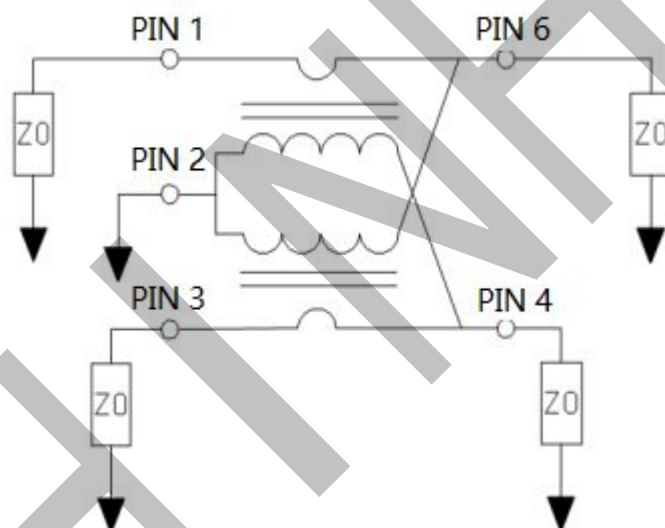
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## Pin configuration

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

Application circuit :

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

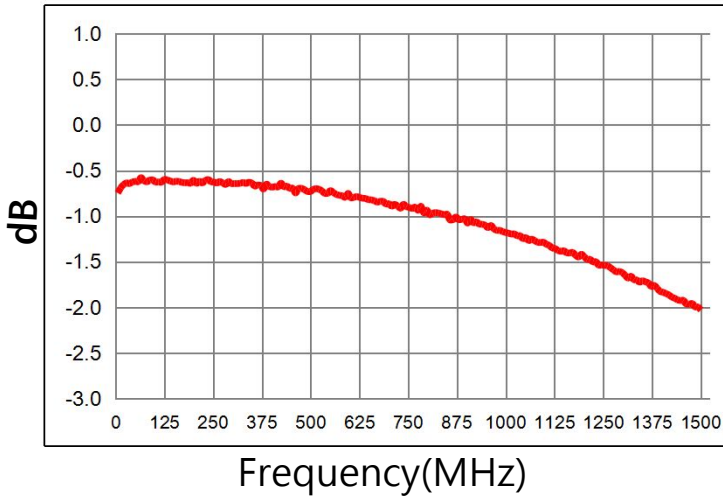
Parameter	Test Conditions	Units	Min	Typ	Max
Main line Loss	5-1250MHz	dB	-	0.8	2.0
Coupling	5-1250MHz	dB	-	12.0	$\pm 0.8$
Input Return Loss	5-1250MHz	dB	16.0	23.0	-
Output Return Loss	5-1250MHz	dB	16.0	22.0	-
Coupling Return Loss	5-1250MHz	dB	16.0	22.0	-
Isolation	5-1250MHz	dB	18.0	30.0	-

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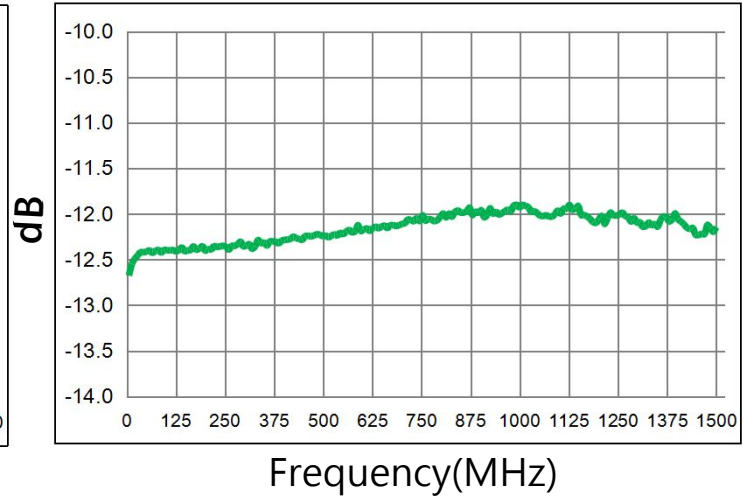
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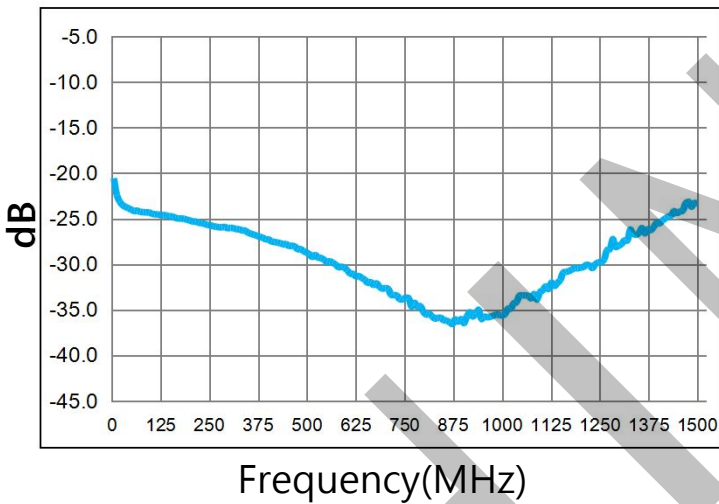
Main line Loss(pin1-6):



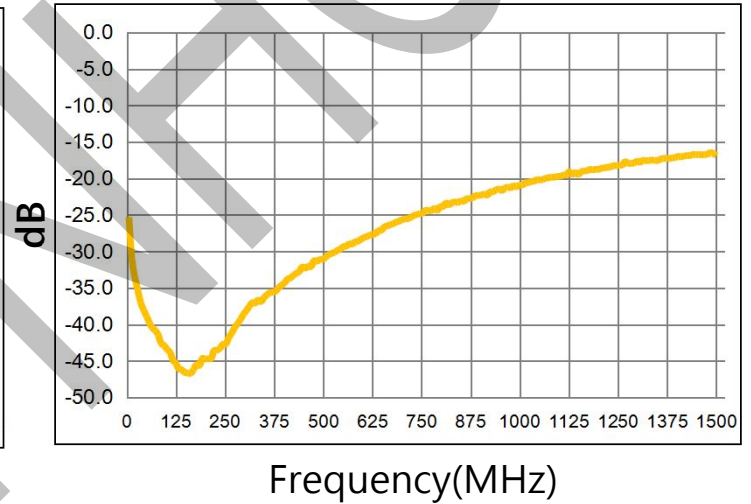
Coupling(pin1-3):



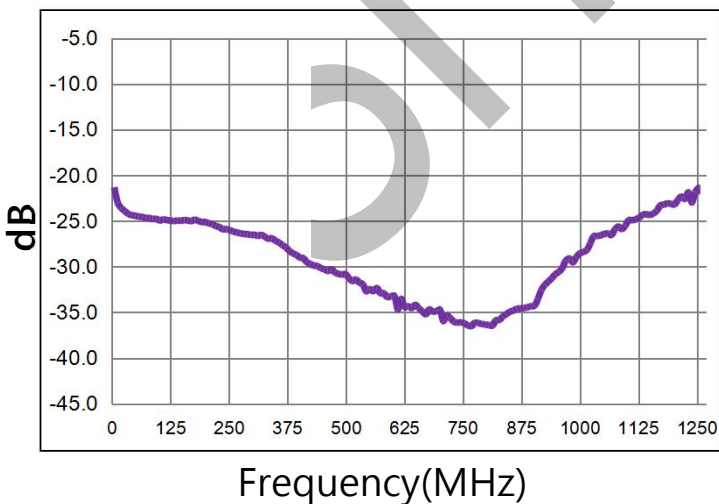
Input Return Loss ( Pin1 )



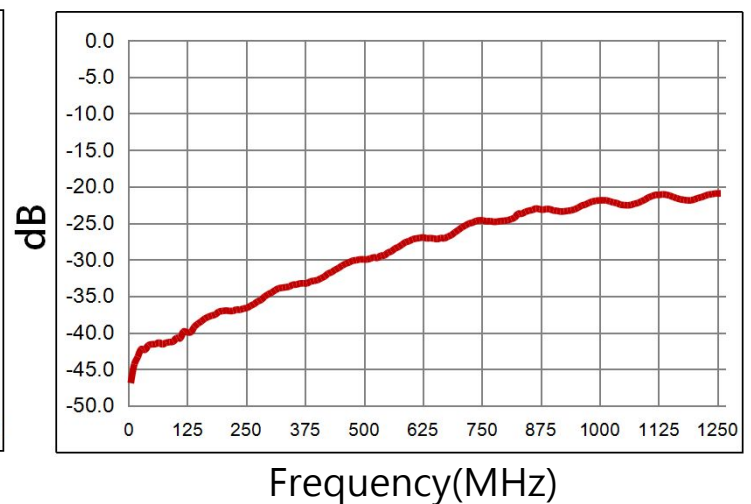
Output Return Loss ( Pin6 )



Coupling Return Loss ( Pin6 )



Isolation ( Pin1-4 )



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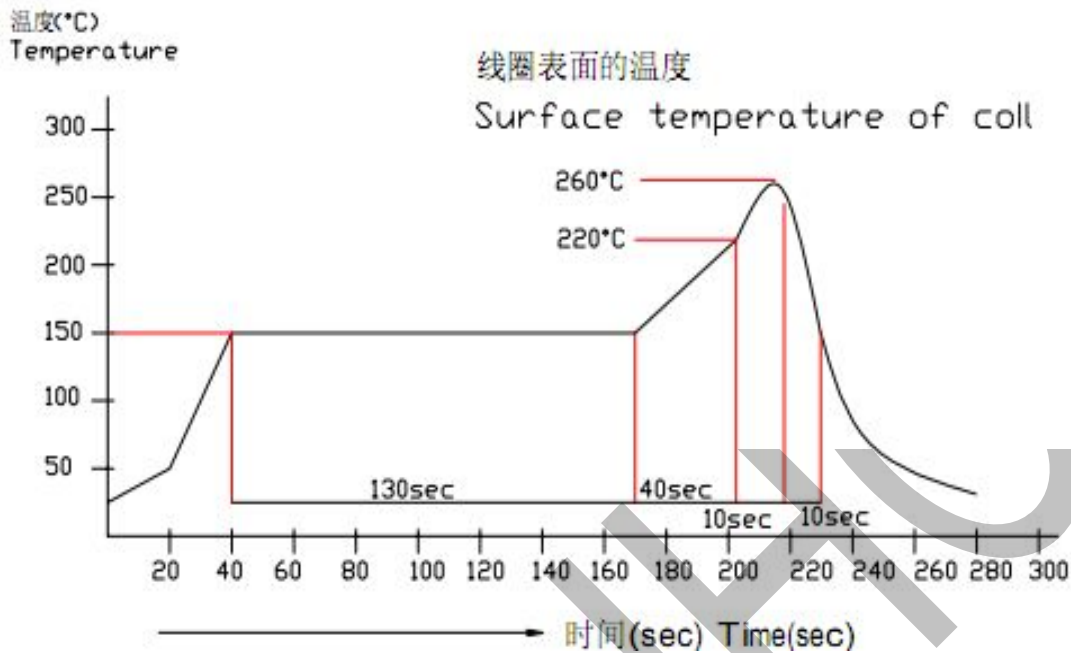
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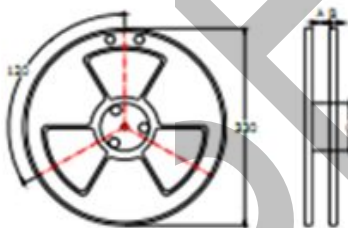
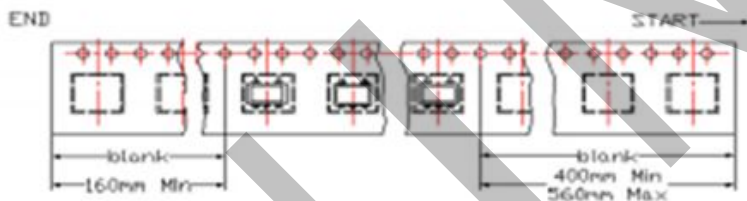
Recommended Soldering Temperature Graph:

建议迴焊条件

The condltion of reflow  
(Recommendation)



Packging Dimension For Caeier Tape(UNIT:mm):



SPEC	8	12	16	24	32	44	56	72
DIM A±0.1	8.5	12.5	16.5	24.5	32.5	44.5	56.5	72.5
DIM B±0.1	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3
DIM Ct±0.1	100	100	100	100	100	100	100	100

**QUANTITY**  
2000PCS/Reel

15 reel/Big carton/60000pcs

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