

HTW-1201-4-75MA+



75Ω 12dB Directional Coupler 5-1250MHz

Features:

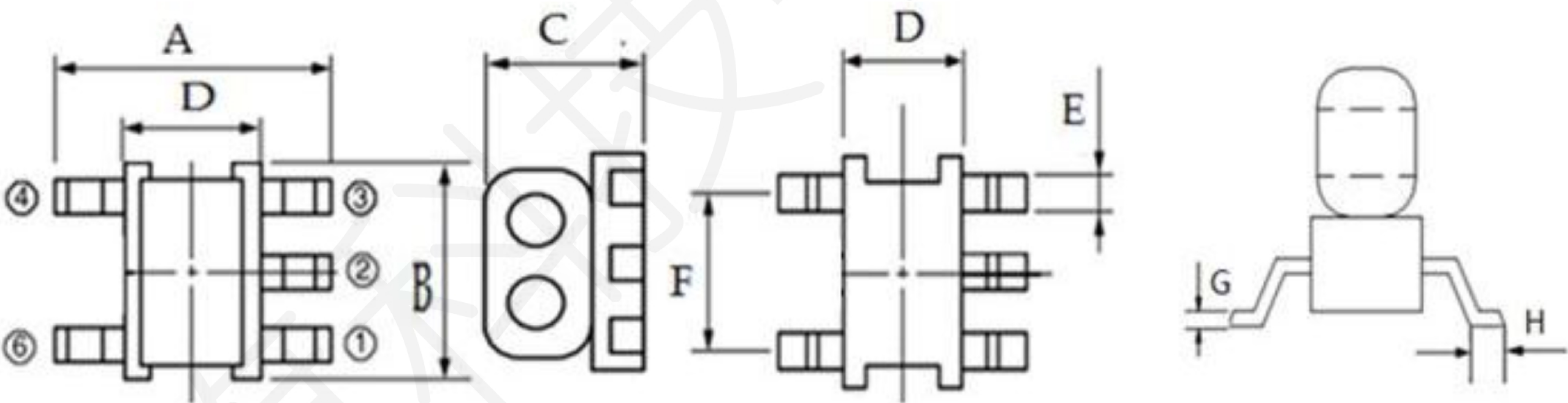
- ◆Frequency Range: 5 to1250 MHz
- ◆Surface mout and available in tape and reel
- ◆260℃ reflow compatible
- ◆RoHS Compliant and Pb free
- ◆Operating temperature range: -40℃ to +85℃
- ◆Storage temperature range: -55℃ to +100℃



Applications:

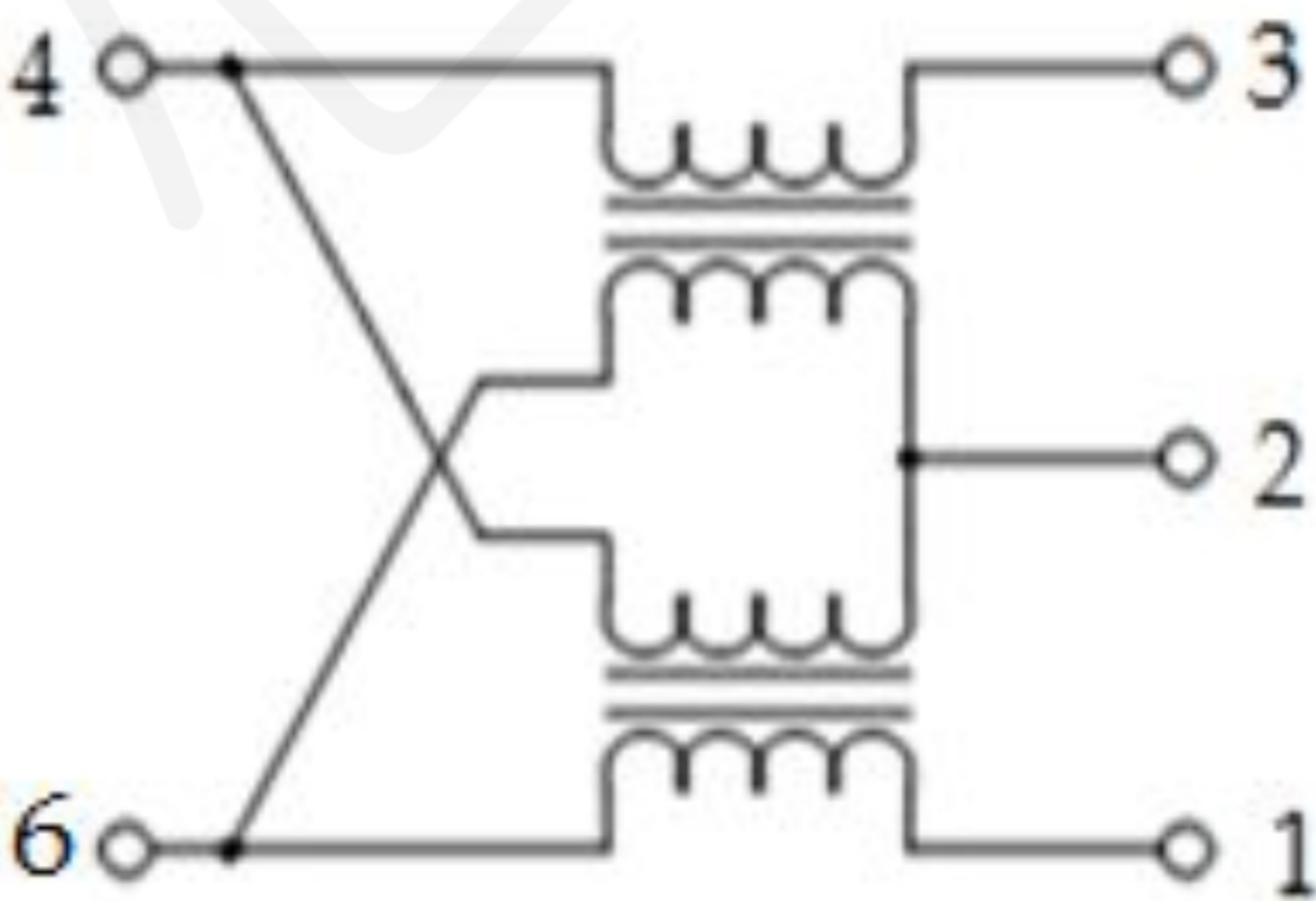
- ◆For catv
- ◆For broadband and wireless communications

Dimension diagram （Unit:mm）：

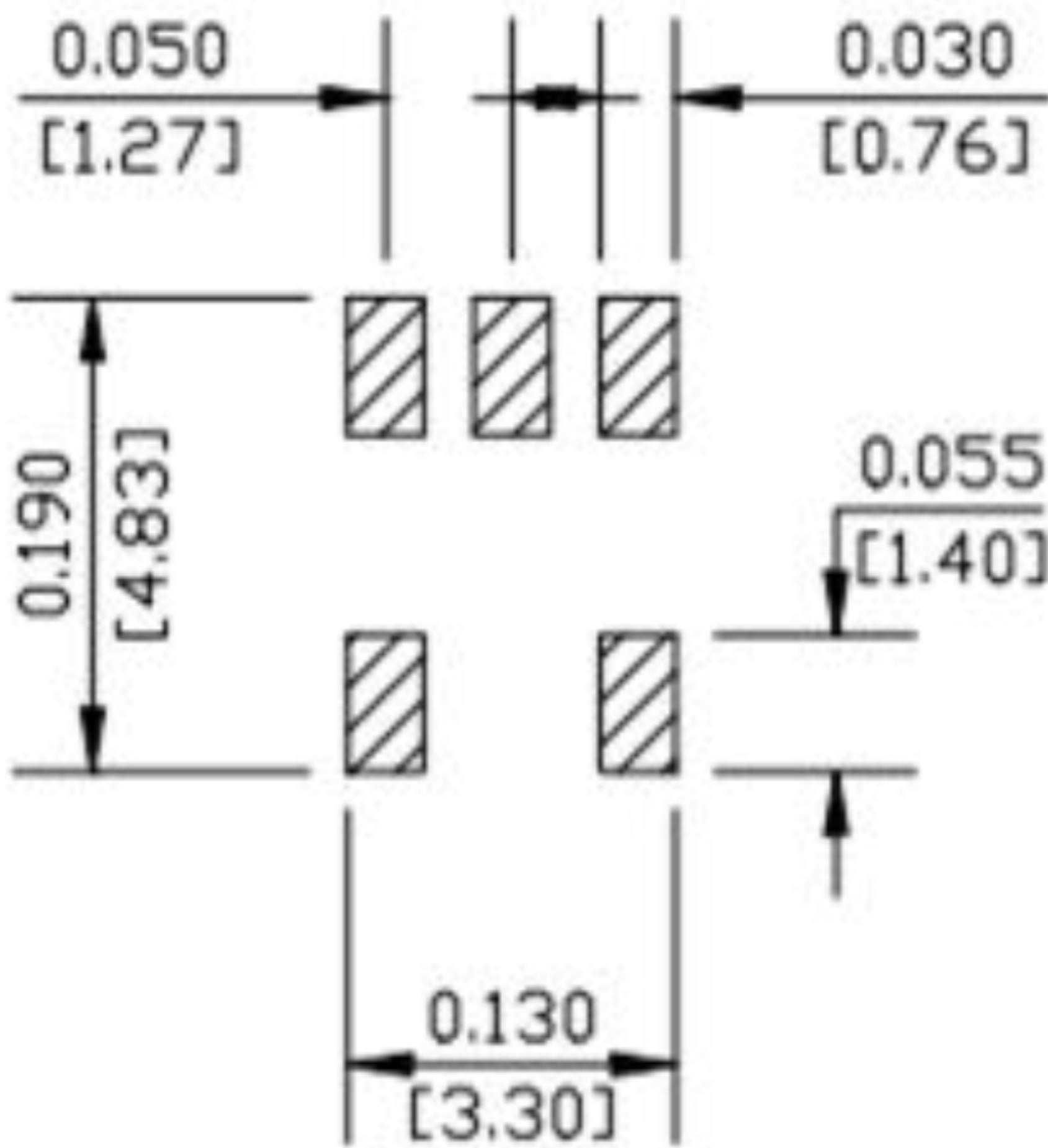


A=4.10±0.20 B=3.80±0.20 C=3.20±0.20 D=2.80±0.20 E=0.55±0.05 F=2.54±0.05 G=0.25±0.05 H=0.60±0.05

Electrical structure:



Recommended layout(mm):



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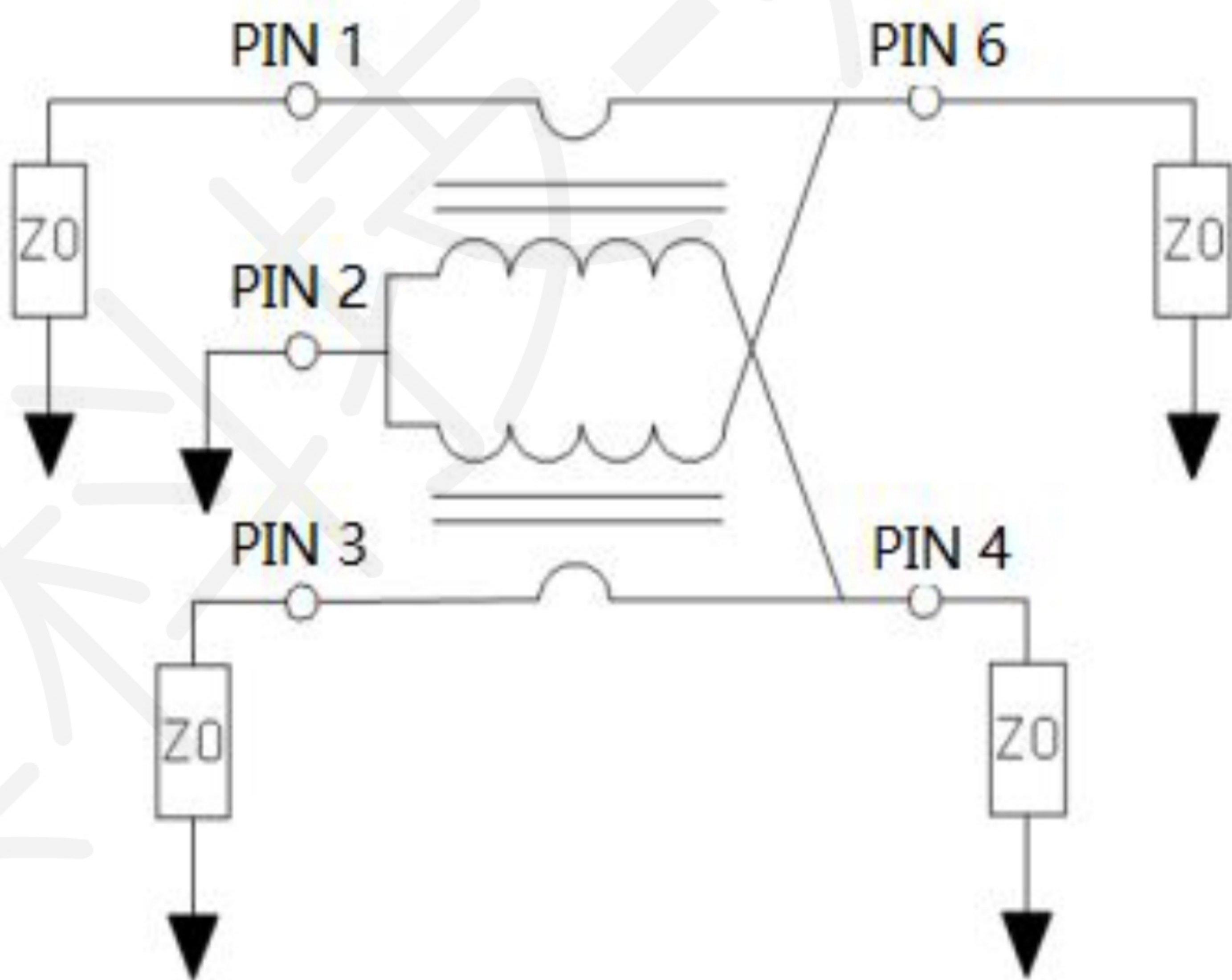
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Pin configuration



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

Application circuit :



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

Parameter	Test Conditions	Units	Min	Typ	Max
Main line Loss	5-1250MHz	dB	-	0.8	2.0
Coupling	5-1250MHz	dB	-	12.0	±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	-

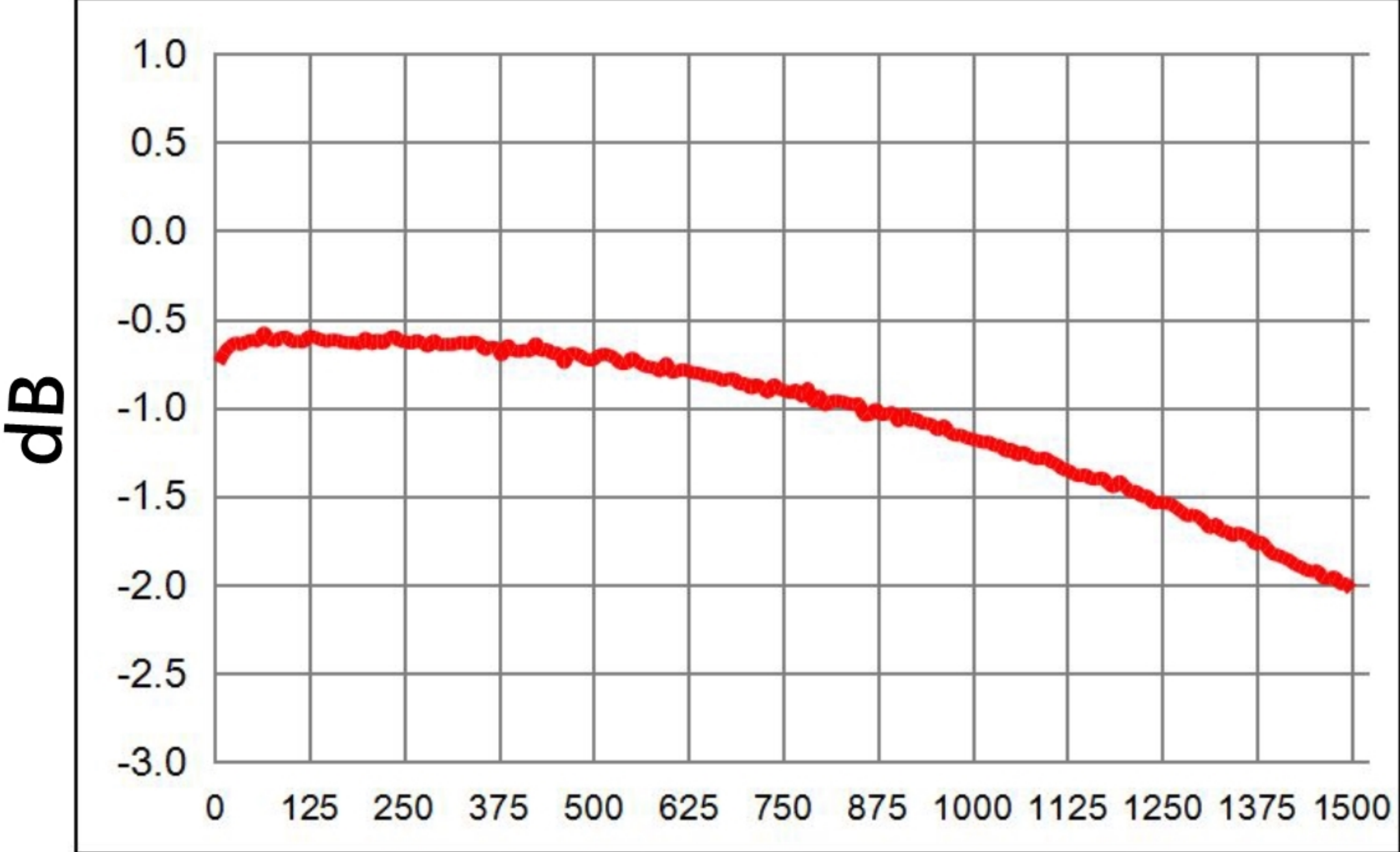
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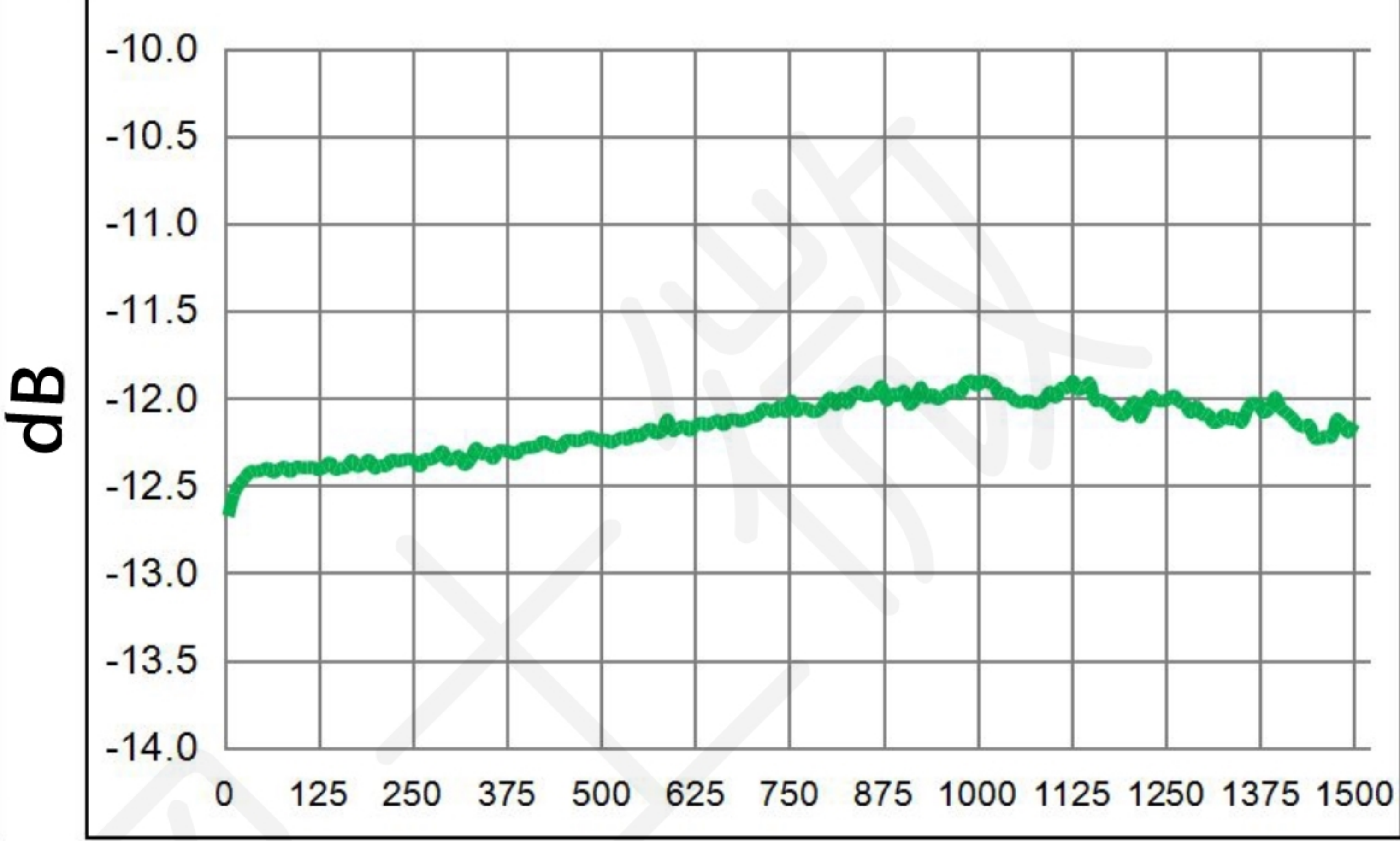


Main line Loss(pin1-6):



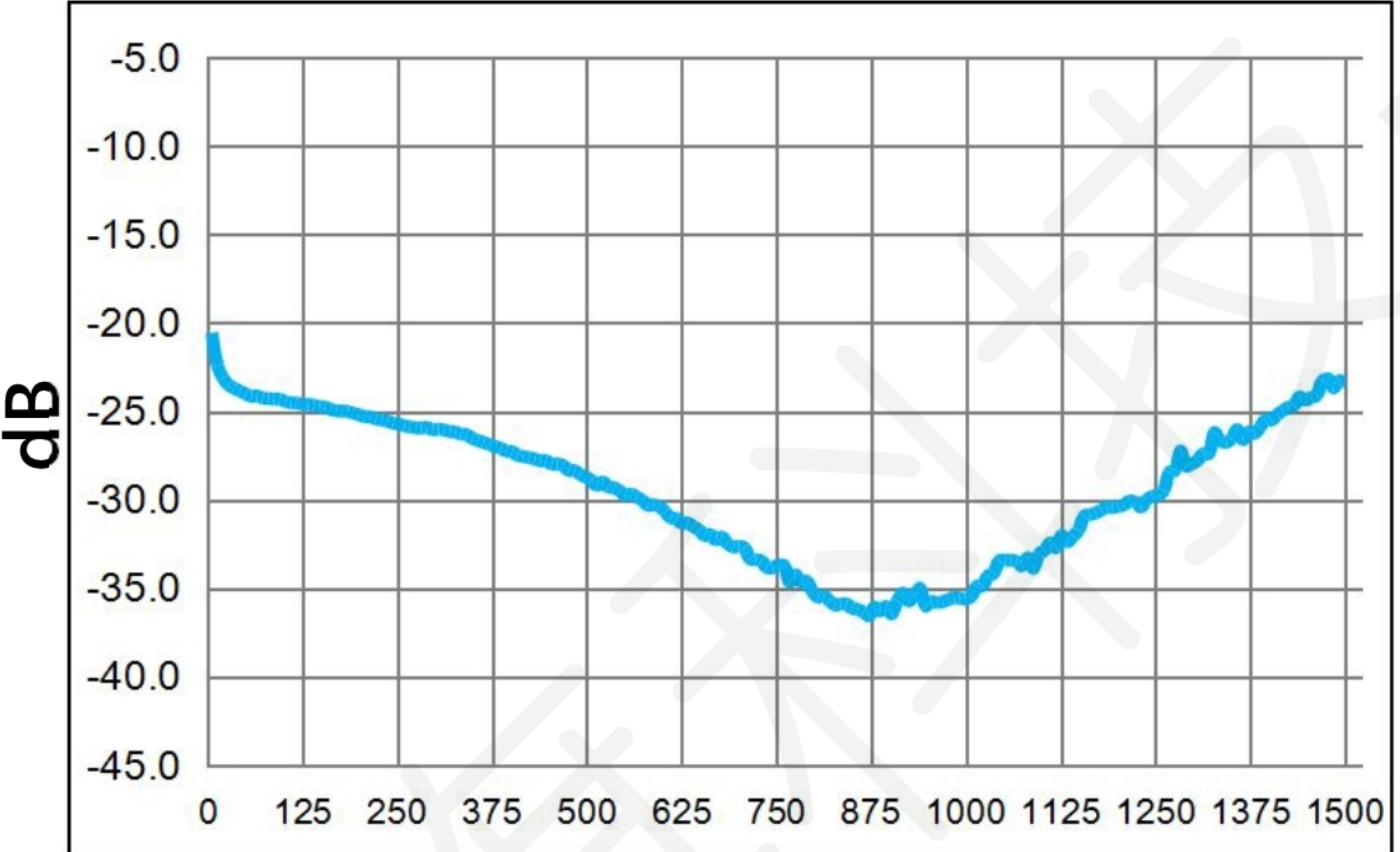
Frequency(MHz)

Coupling(pin1-3):



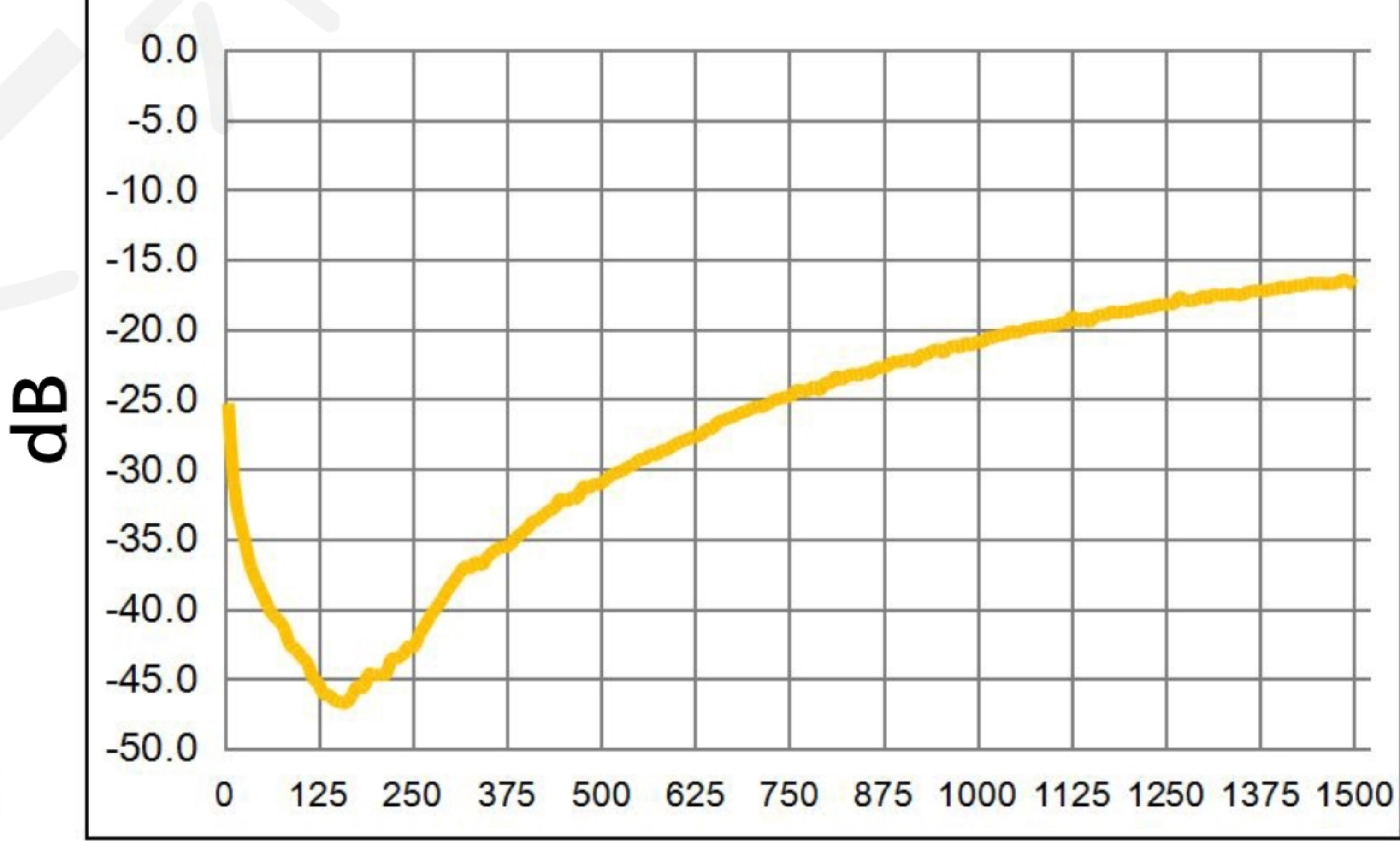
Frequency(MHz)

Input Return Loss (Pin1)



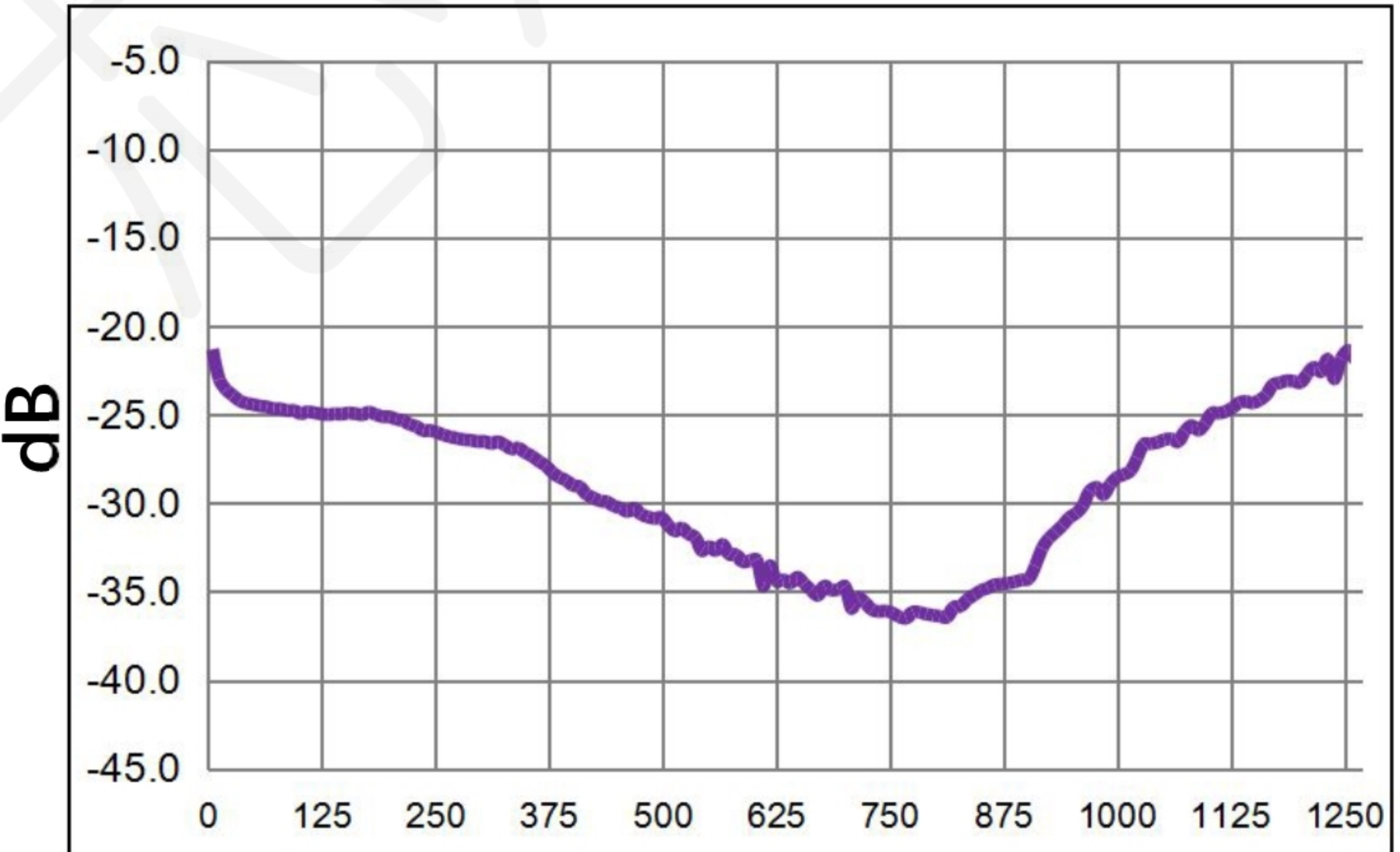
Frequency(MHz)

Output Return Loss (Pin6)

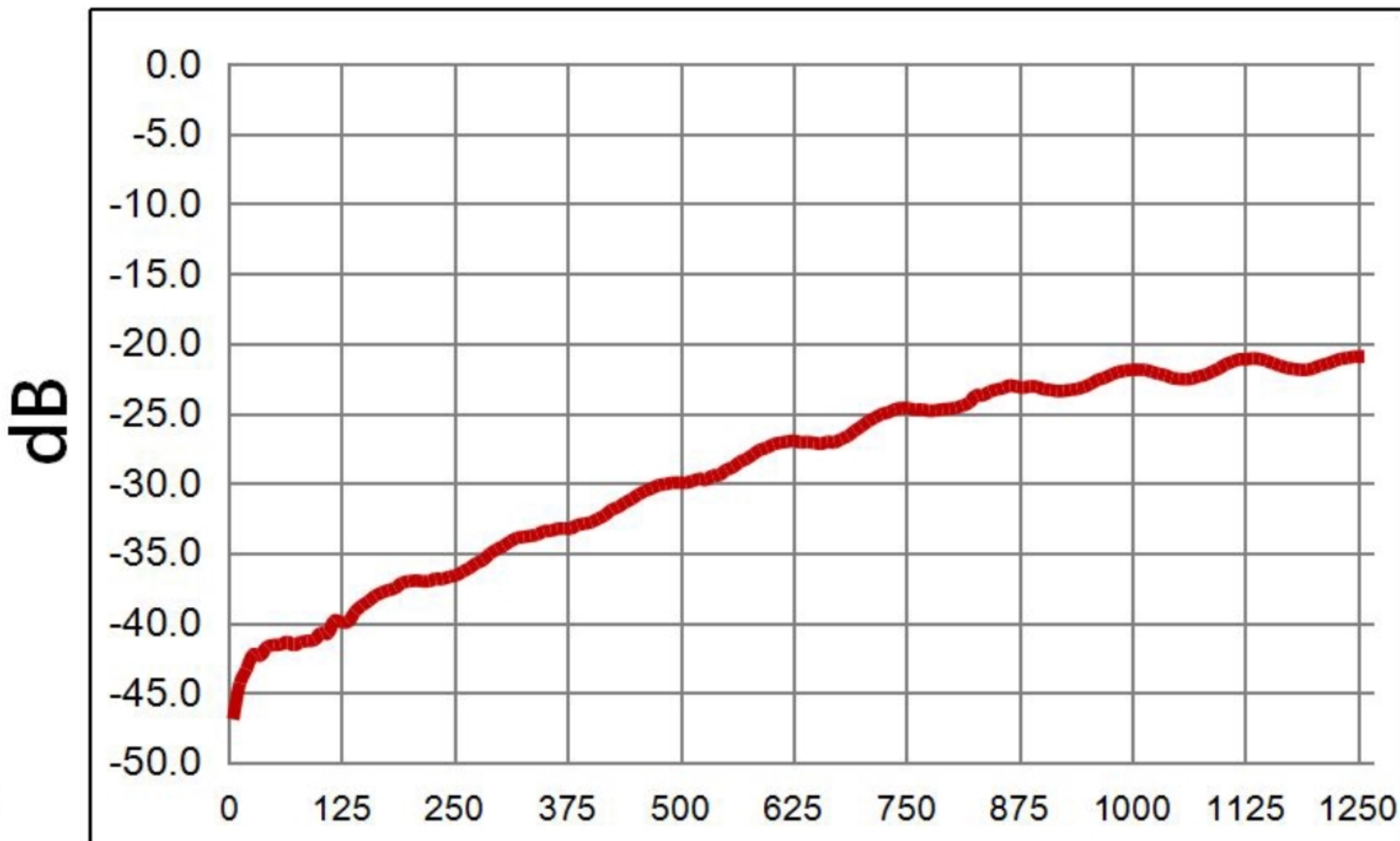


Frequency(MHz)

Coupling Return Loss (Pin6)



Isolation (Pin1-4)



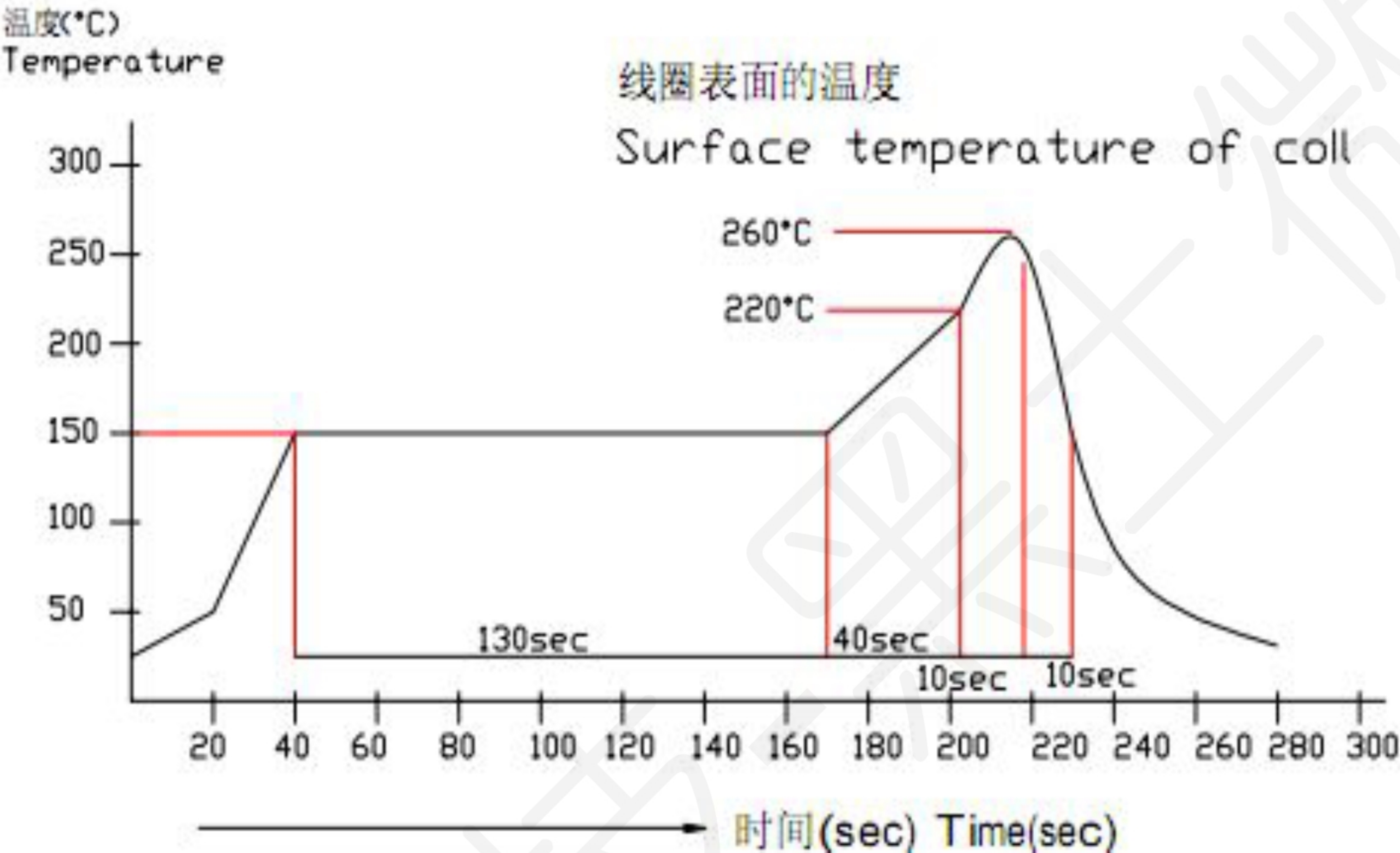
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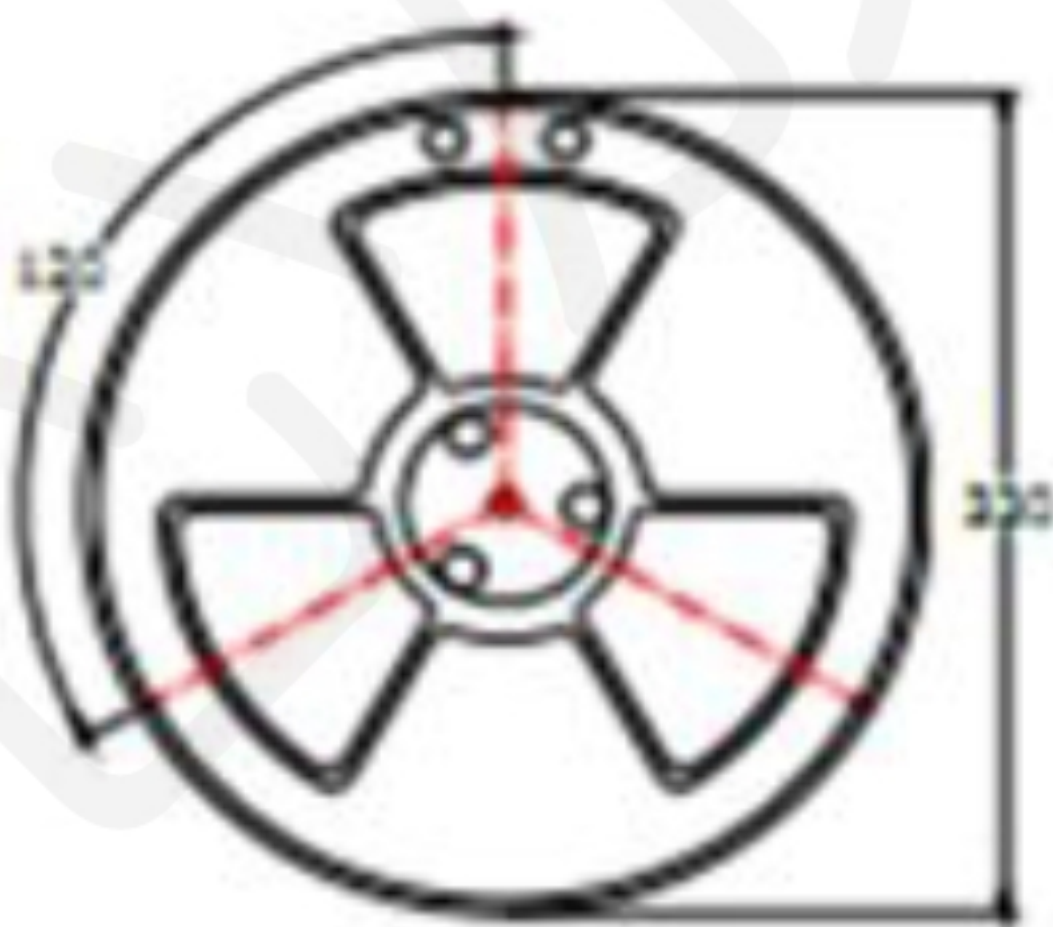
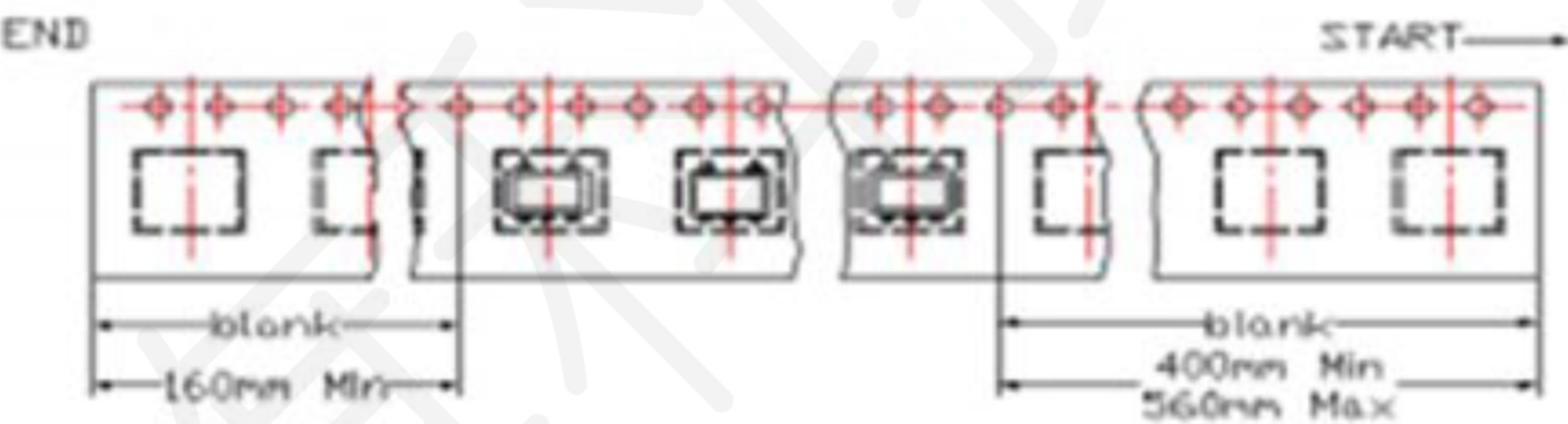
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Recommended Soldering Temperature Graph:

建议迴焊条件
The conditlon 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 C±0.1	100	100	100	100	100	100	100	100

QUANTITY
2000PCS/Reel

15 reel/Big carton/60000pcs

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