

**Features:**

- ◆ Frequency Range: 2 to 1500 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



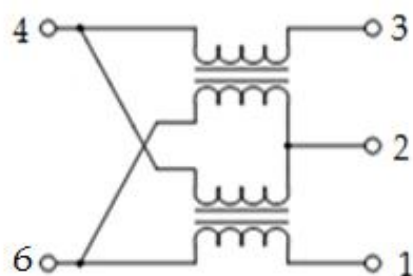
**Applications:**

- ◆ For catv
- ◆ For broadband and wireless communications

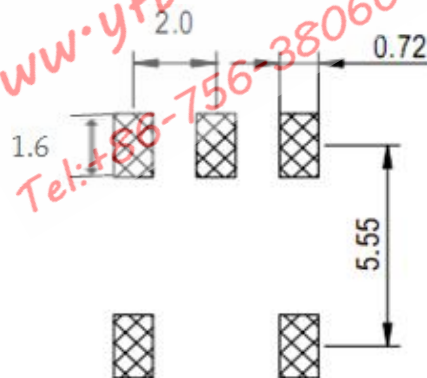
**Dimension diagram (Unit:mm) :**



**Electrical structure:**



**Recommended layout(mm):**

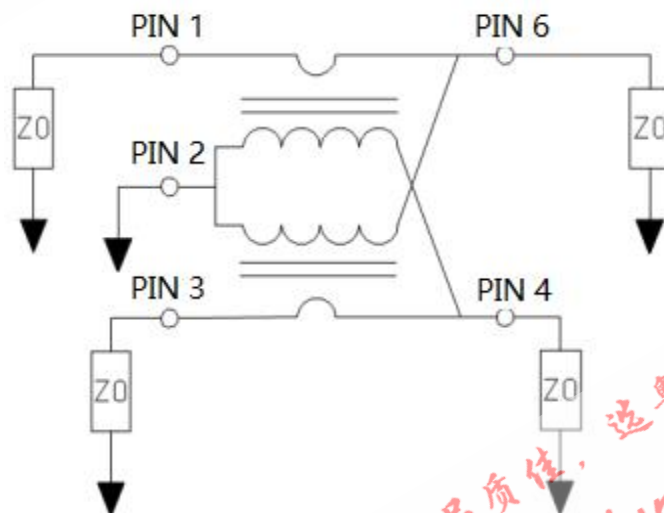


|         |          |            |             |             |          |
|---------|----------|------------|-------------|-------------|----------|
| DRAW BY | yang lin | CHECKED BY | ye yong jun | APPROVED BY | deng gao |
|---------|----------|------------|-------------|-------------|----------|

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       | 2-1500MHz       | dB    |       | 0.80  | 1.50 |
| Coupling             | 2-1500MHz       | dB    | —     | 16.00 | ±0.8 |
| Input Return Loss    | 2-1500MHz       | dB    | 16.00 | 22.00 | —    |
| Output Return Loss   | 2-1500MHz       | dB    | 16.00 | 25.00 | —    |
| Coupling Return Loss | 2-1500MHz       | dB    | 16.00 | 20.00 | —    |
| Isolation            | 2-1500MHz       | dB    | 20.00 | 25.00 | —    |

DRAW BY

yang lin

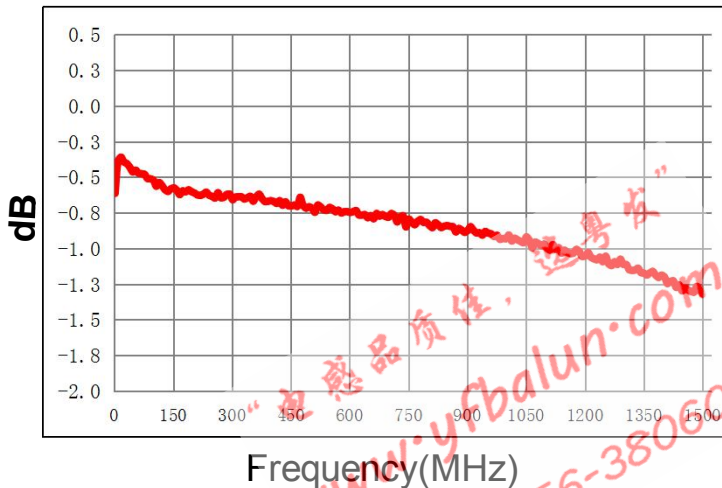
CHECKED BY

ye yong jun

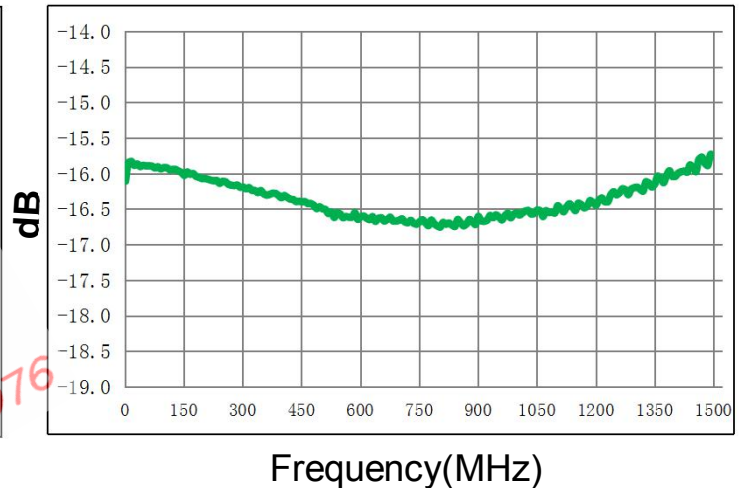
APPROVED BY

deng gao

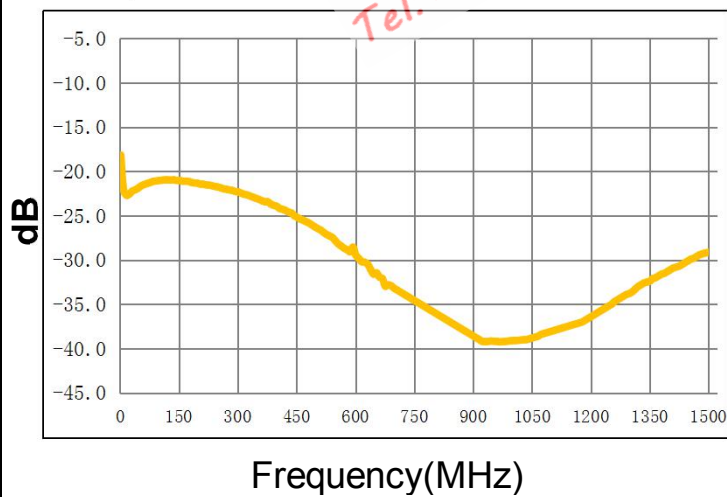
Main line Loss(pin1-6):



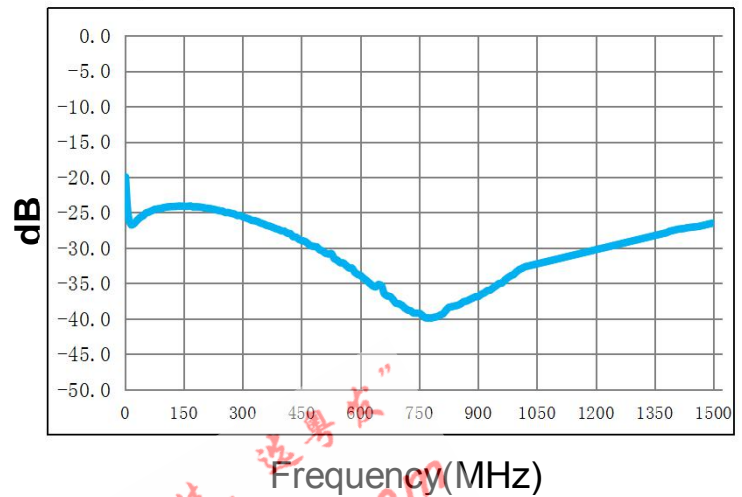
Coupling (pin1-3):



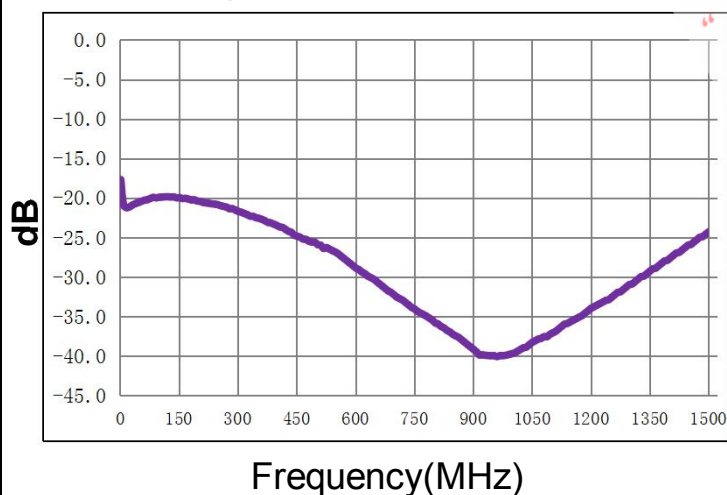
Input Return Loss (Pin1)



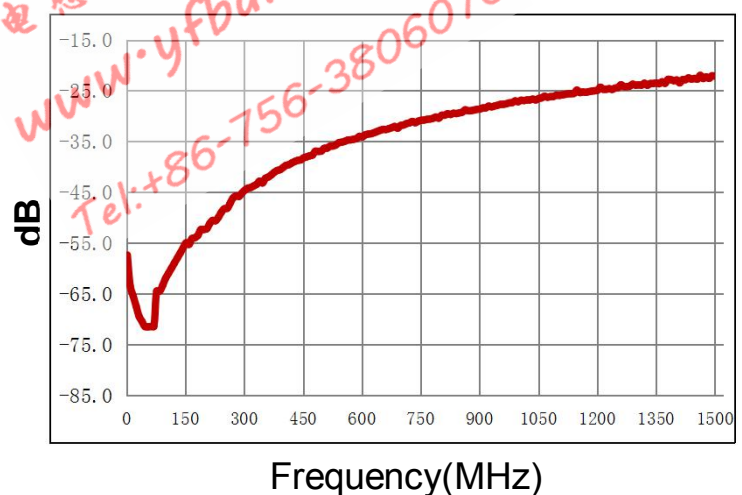
Output Loss (Pin2)



Coupling Return Loss (Pin3)



Isolation (Pin1-4)



DRAW BY

yang lin

CHECKED BY

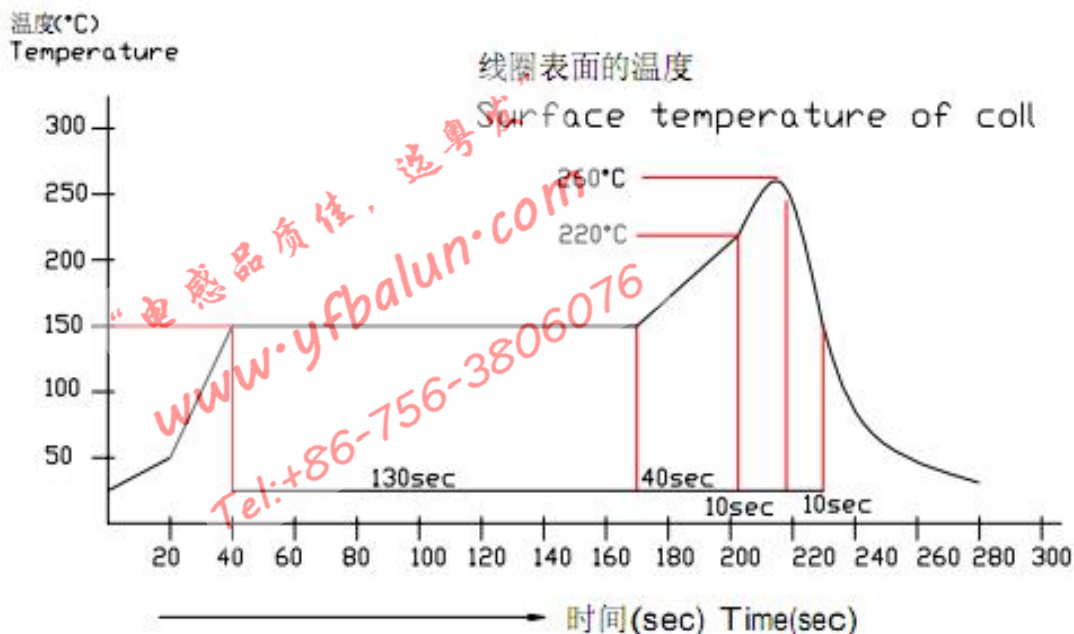
ye yong jun

APPROVED BY

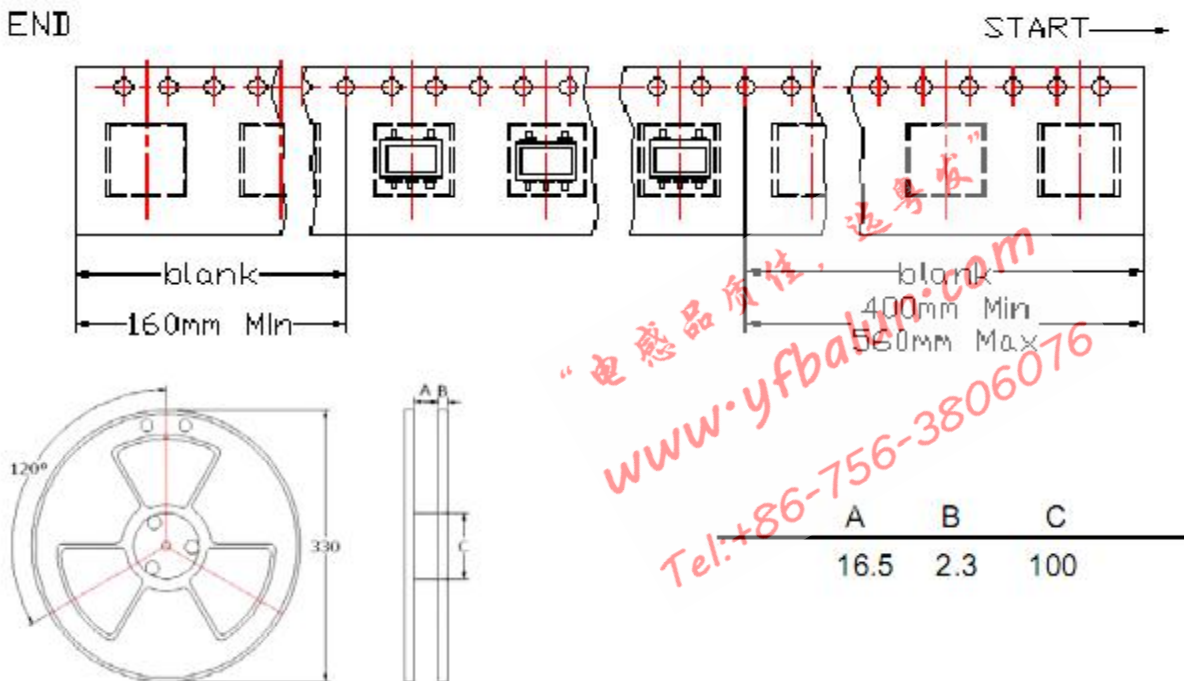
deng gao

Recommended Soldering Temperature Graph:

建议回流条件  
The condition of reflow  
(Recommendation)



Packing Dimension For Caeier Tape(UNIT:mm):



QUANTITY

1,000PCS/Reel

3Reels/Middle Carton

5 Middle Cartons/Big Carton/15,000pcs

DRAW BY

yang lin

CHECKED BY

ye yong jun

APPROVED BY

deng gao