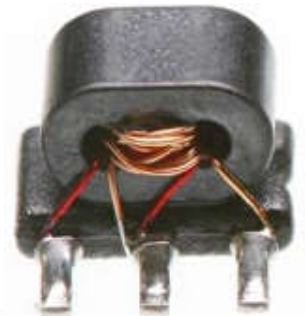


Features:



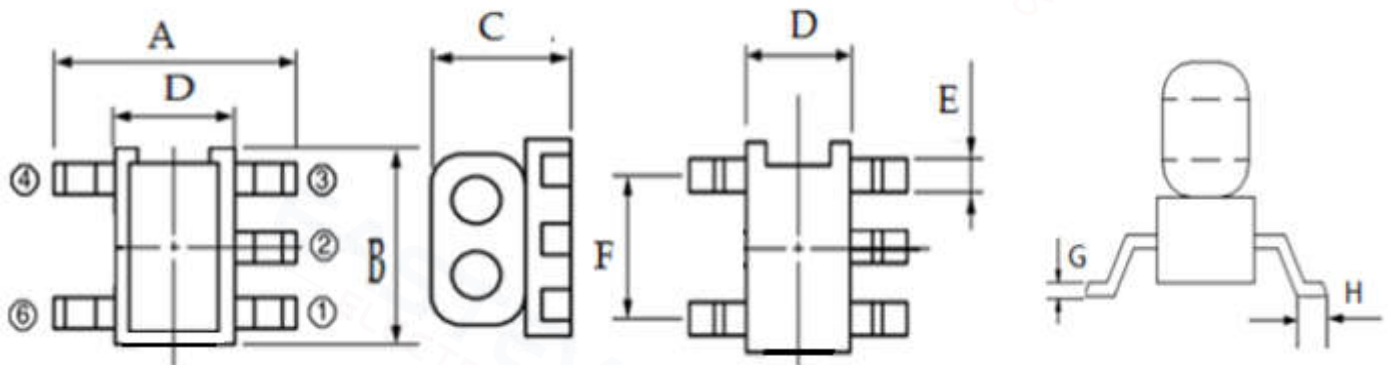
- ◆ 75 Ω Characteristic Impedance
- ◆ High Frequency, Low loss, Low cost
- ◆ RF power: 0.50W
- ◆ DC current: 500mA
- ◆ Insertion loss: 2.2dB Max; Input Return loss: 8.0dB Min
- ◆ Operating temperature range: -40°C to +125°C
- ◆ Storage temperature range: -55°C to +145°C



Applications:

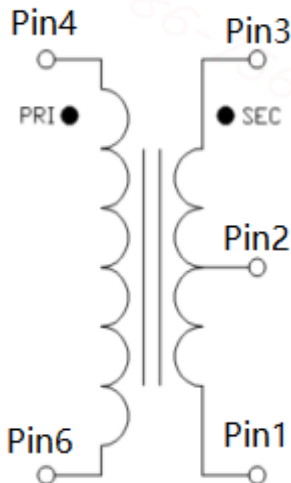
- ◆ For Docsis 3.1 Cable Modem
- ◆ For VHF/UHF receivers/transmitters and push-pull amplifiers

Dimension Diagram (Unit:mm) :

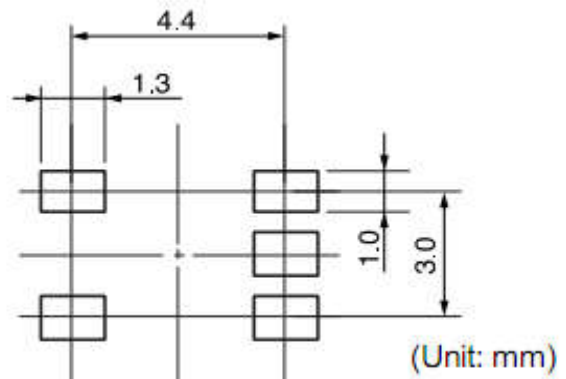


A=5.10±0.20 B=4.30±0.20 C=3.50Max D=2.60±0.20 E=0.50±0.05 F=3.00±0.10 G=0.25±0.05 H=0.60±0.10

Electrical structure:



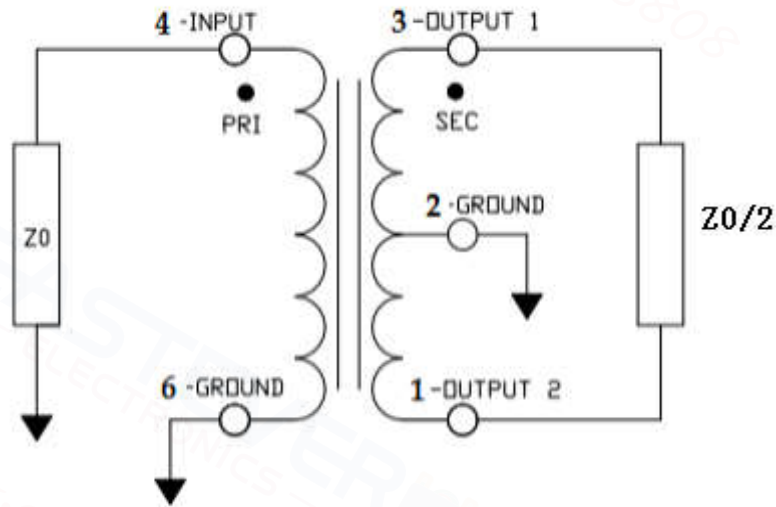
Recommended layout:



Pin configuration:

Pin no.	Function
1	Secondary (Output 2)
2	Centre tap (Ground)
3	Secondary dot (Output 1)
4	Primary dot (Input)
6	Primary (Ground)

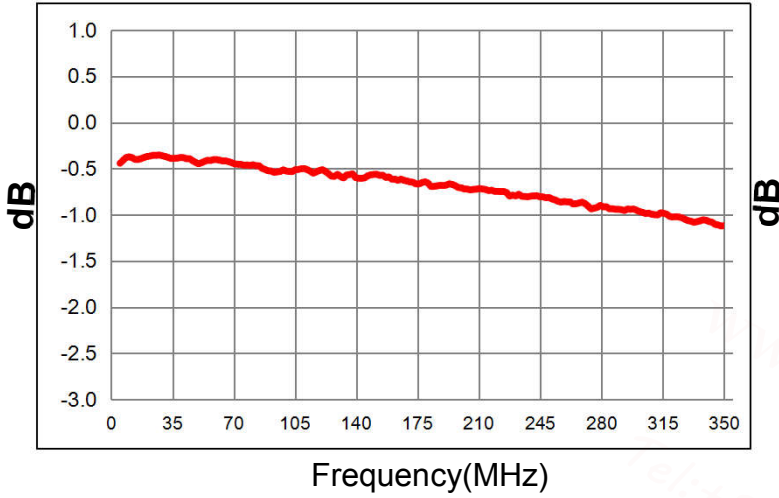
Application circuit :



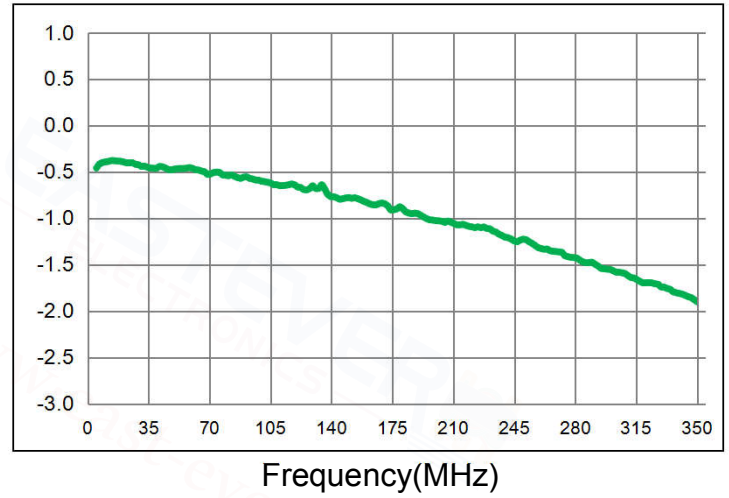
Electrical Specifications: TA=25°C, 0dBm, Z0=75Ω

Parameter	Test Conditions	Units	Min	Typ	Max
Main line Loss(out1)	5-300MHz	dB	—	0.5	2.0
Main line Loss(out2)	5-300MHz	dB	—	1.2	2.2
Amplitude Balance	5-300MHz	dB	—	0.5	±0.7
Phase Balance	5-300MHz	Degrees	—	2.0	±8.0
Input Return Loss	5-300MHz	dB	8.0	25.0	—

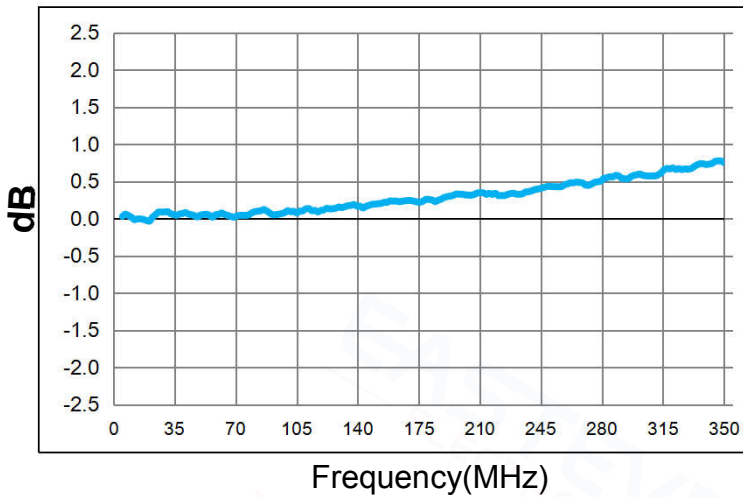
Main line Loss(out1)



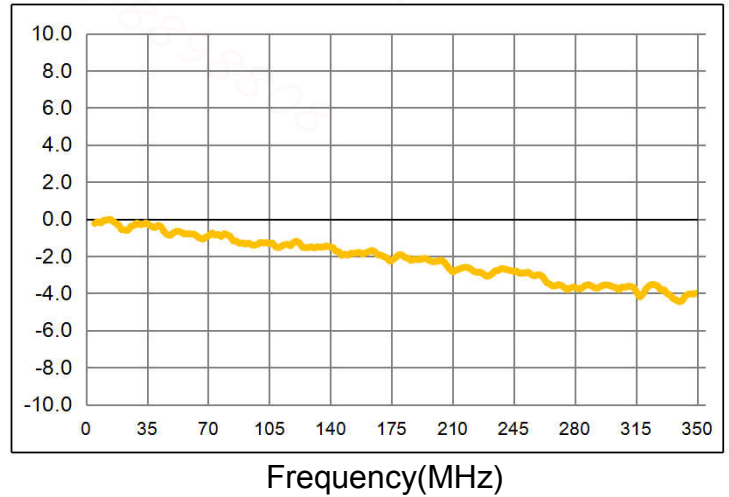
Main line Loss(out2)



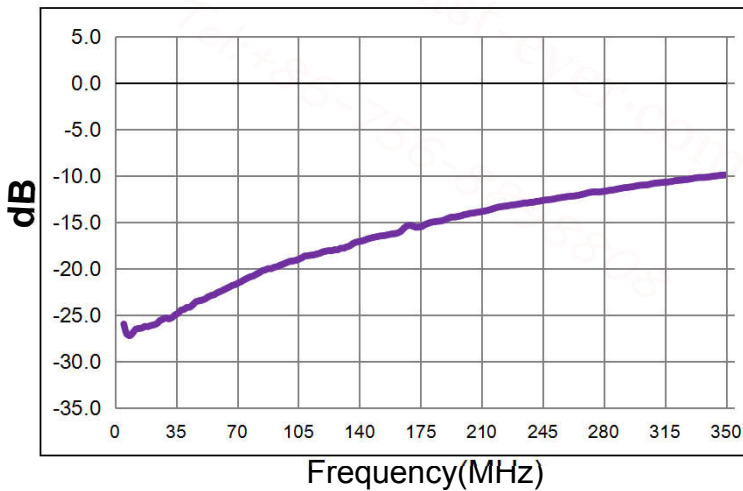
Amplitude Balance



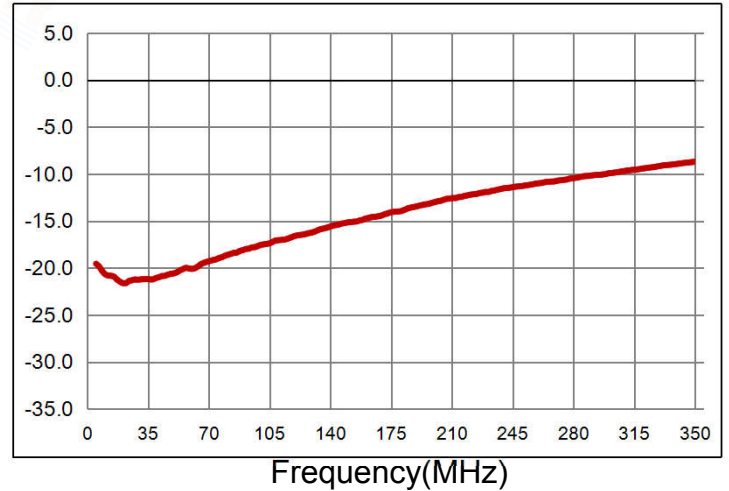
Phase Balance



Input Return Loss

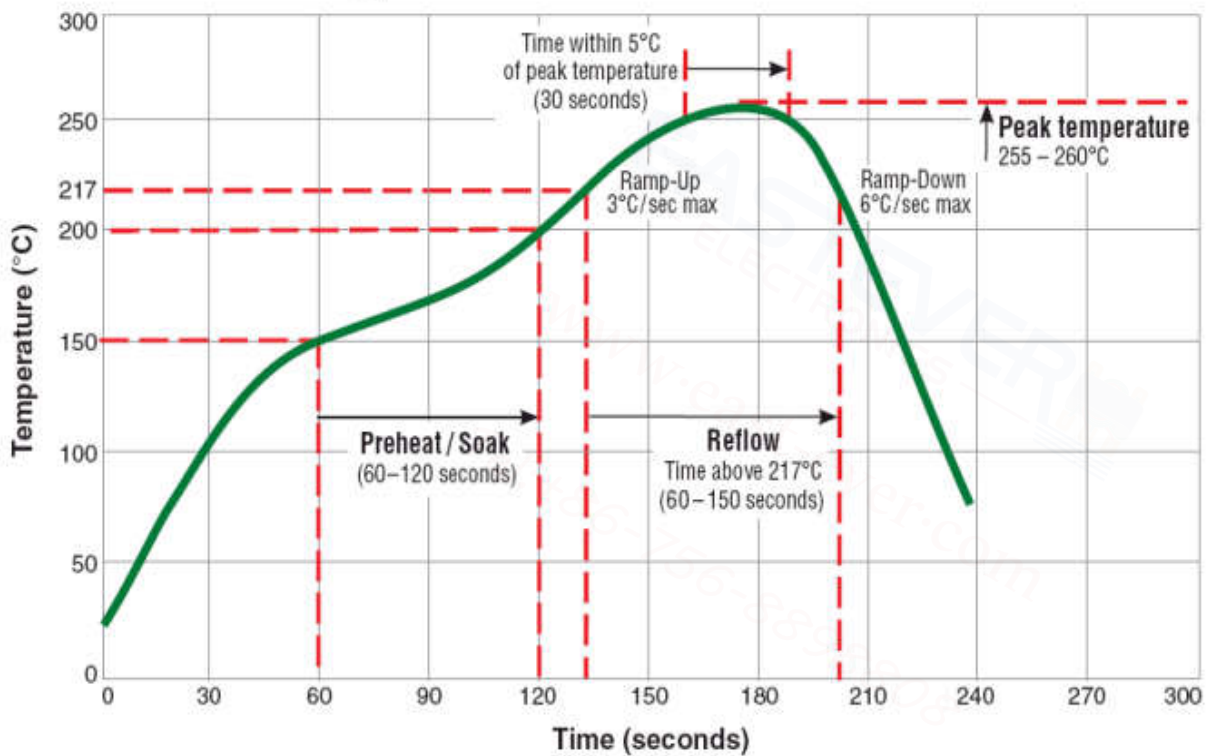


Balanced Output Return Loss

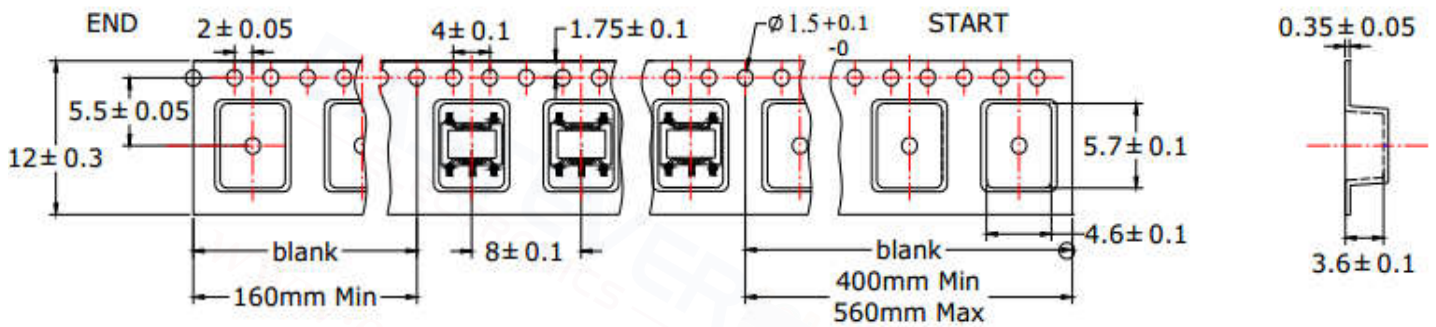


Recommended Soldering Temperature Graph:

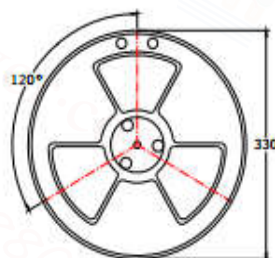
Typical RoHS Reflow Profile



Packaging Dimension For Caeier Tape(UNIT:mm):



QUANTITY
2000PCS/Reel
4 Reels/Middle Carton Middle Carton:
4 Middle Cartons/Big Carton
32000PCS/ 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

