

**Features::**

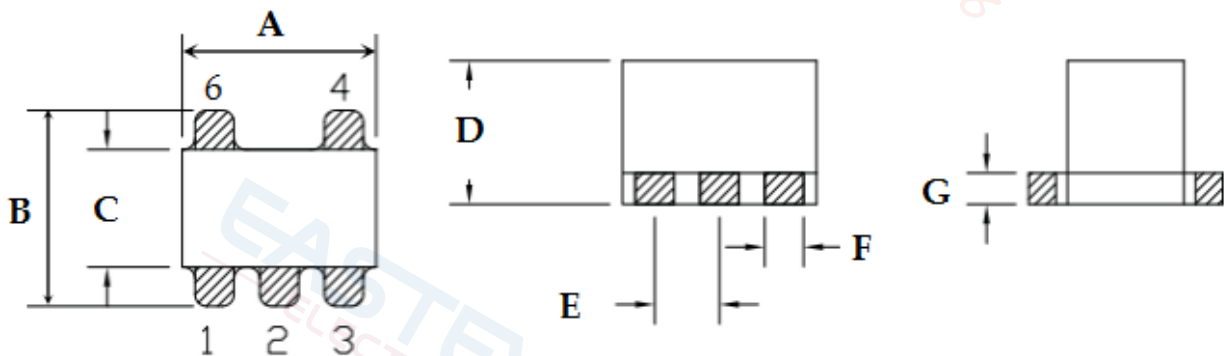
- ◆ 1: 2CT Impedance
- ◆ 50Ω Characteristic Impedance
- ◆ Frequency: 0.3to500 MHz
- ◆ RF power: 0.25W
- ◆ DC current: 30mA
- ◆ Operating temperature range: -40℃ to +85℃
- ◆ Storage temperature range: -55℃ to +100℃



**Applications:**

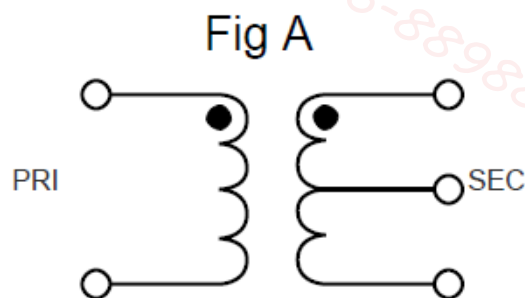
- ◆ For broadband and wireless communications
- ◆ For VHF/UHF receivers/transmitters and push-pull amplifiers

**Dimension Diagram (Unit:mm) :**

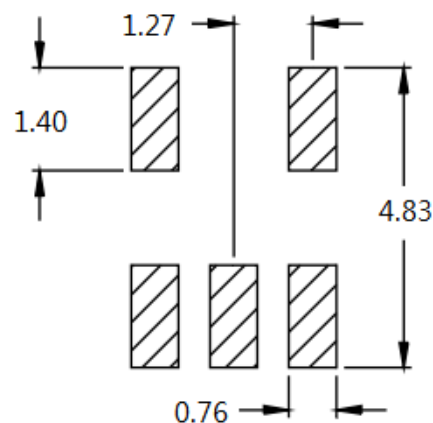


A=3.80±0.20 B=3.80±0.20 C=2.30±0.20 D=2.80±0.20 E=1.27±0.10 F=0.76±0.10 G=0.60±0.10

**Electrical structure:**

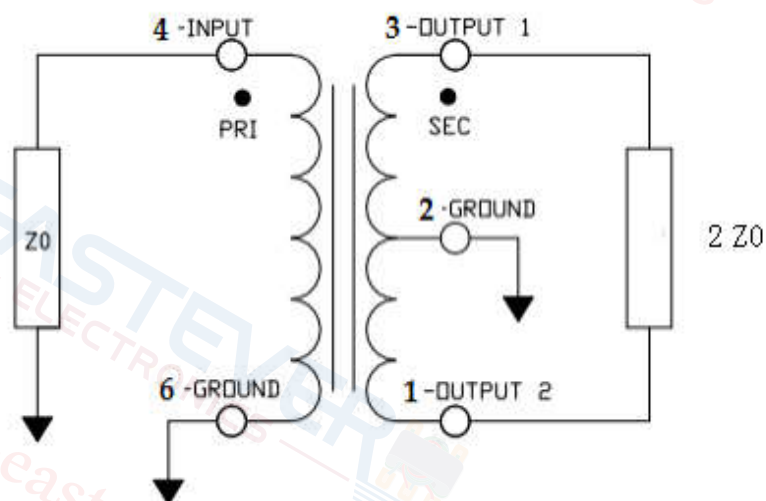


**Recommended layout:**



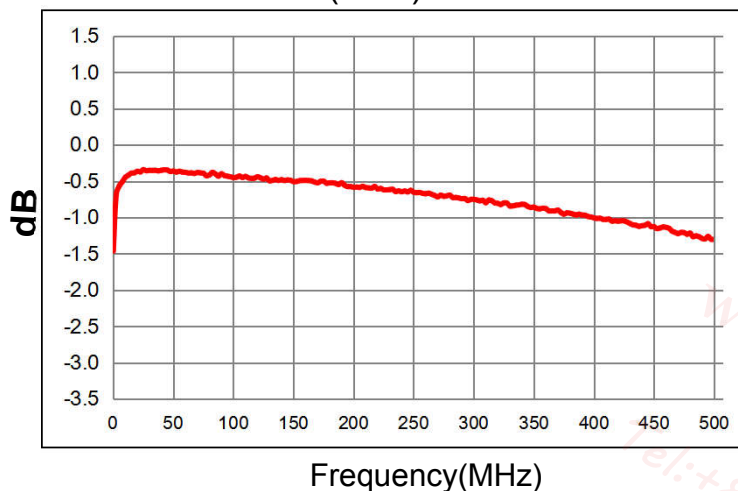
**Pin configuration:**

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

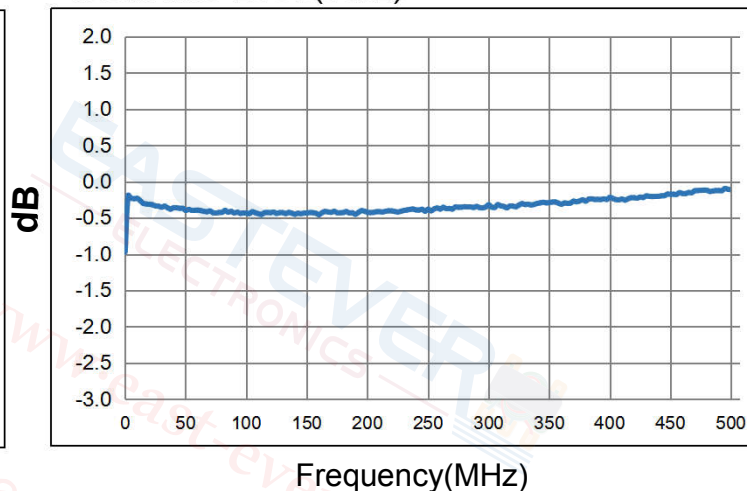
**Application circuit :**Electrical Specifications:  $T_A = 25^\circ\text{C}$   $Z_0 = 50\Omega$ 

Parameter	Test Conditions	Units	Min	Typ	Max
Main line Loss(out1)	0.3-500MHz	dB	—	1.50	2.50
Main line Loss(out2)	0.3-500MHz	dB	—	0.50	1.50
Amplitude Balance	0.3-500MHz	dB	—	$\pm 1.5$	$\pm 2.00$
Phase Balance	0.3-500MHz	$^\circ$	—	$\pm 5.00$	$\pm 10.00$
Input Return Loss	0.3-500MHz	dB	10.00	18.00	—

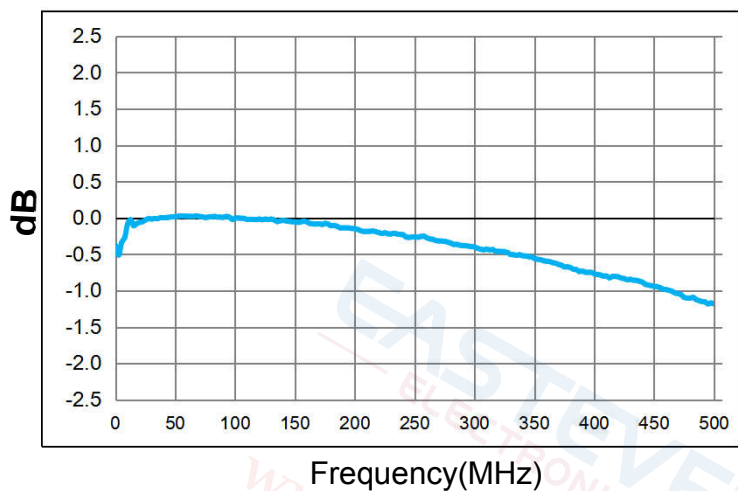
### Main line Loss(out1)



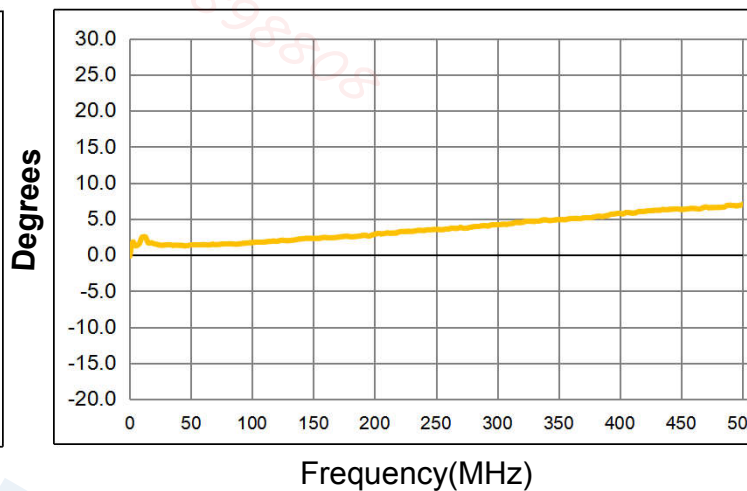
### Main line Loss(out2)



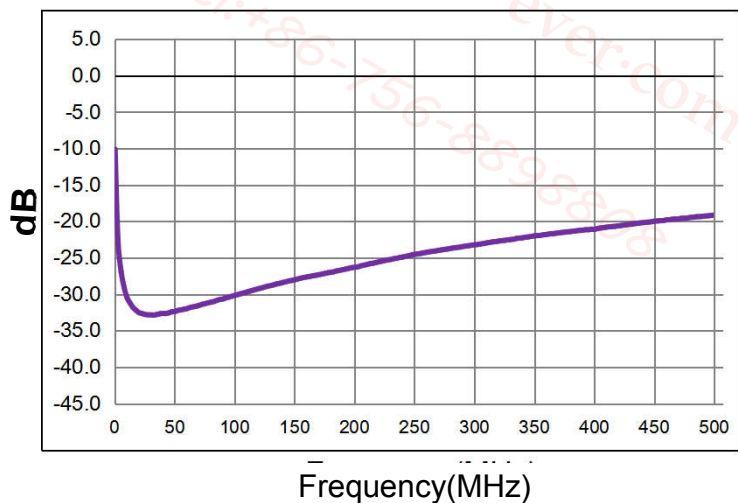
### Amplitude Balance



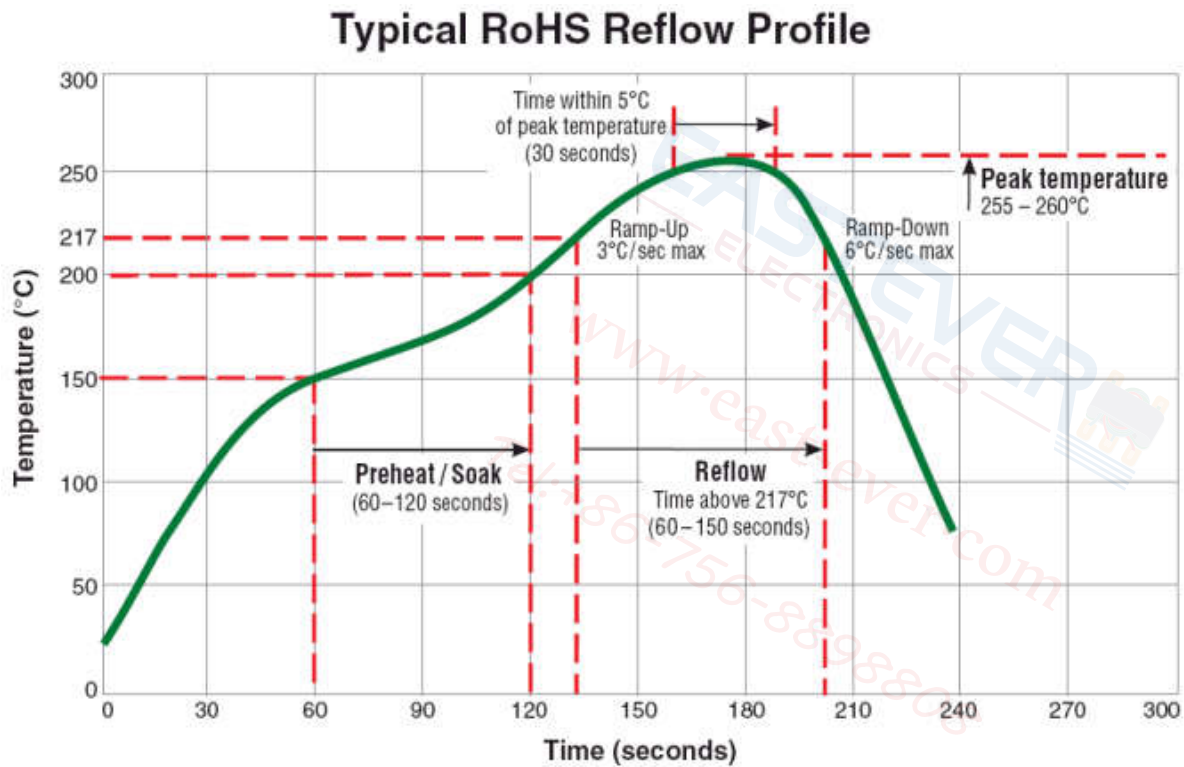
### Phase Balance



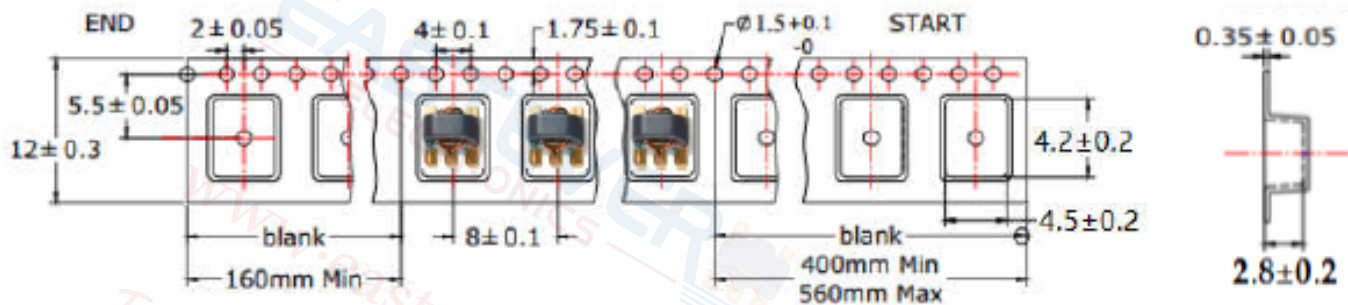
### Input Return Loss



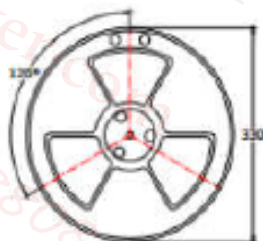
**Recommended Soldering Temperature Graph:**



**Packging Dimension For Caeier Tape(UNIT:mm):**



<b>QUANTITY</b>
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

