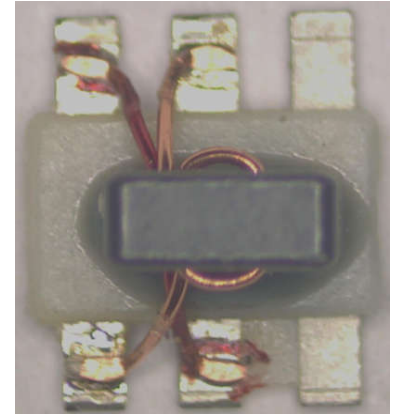


## Features:



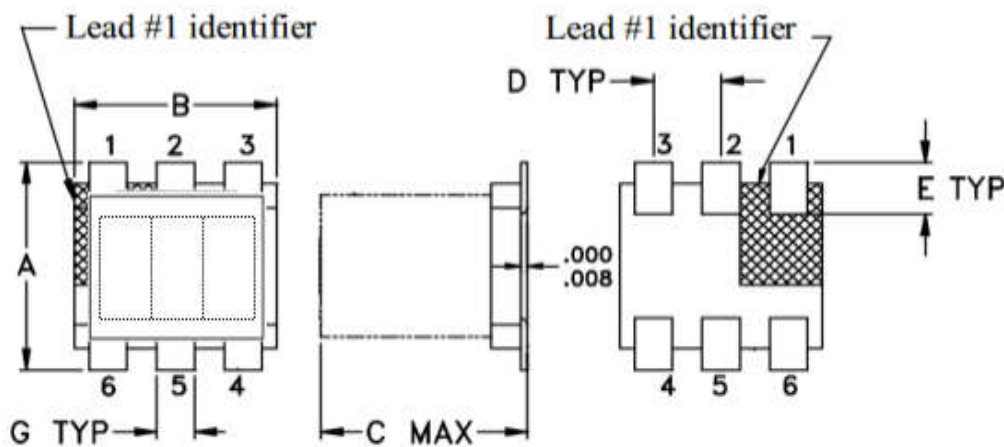
- ◆ 50Ω Characteristic Impedance
- ◆ Frequency: 50to4000MHz
- ◆ Power Input(as a splitter): 0.50W Max
- ◆ DC current: 30mA
- ◆ Operating temperature range: -40°C to +85°C
- ◆ Storage temperature range: -55°C to +100°C



## Applications:

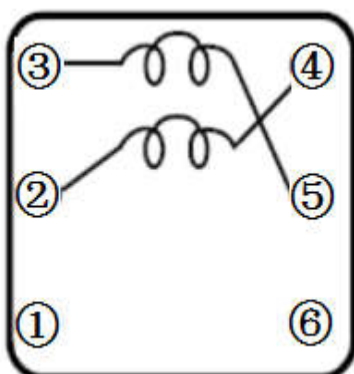
- ◆ For CATV broadband applications
- ◆ For VHF/UHF receivers/transmitters and push-pull amplifiers

## Dimension Diagram (Unit:±0.20mm) :

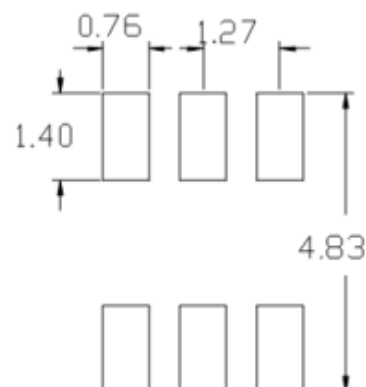


$$A=4.20\pm 0.20 \quad B=3.80\pm 0.20 \quad C=2.80\pm 0.20 \quad D=1.27\pm 0.05 \quad E=1.00\pm 0.05$$

## Electrical structure:



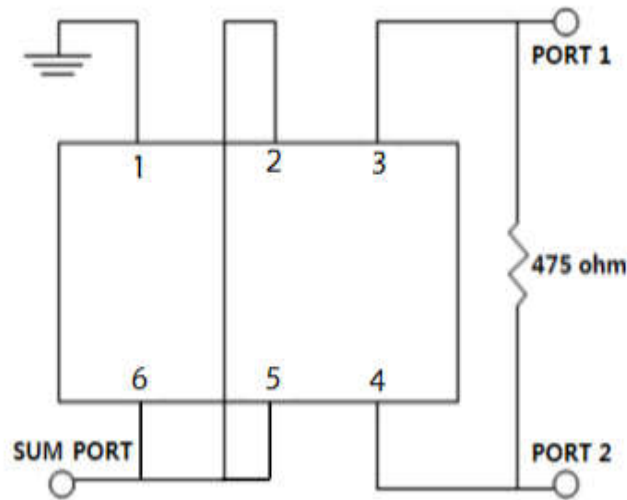
## Recommended layout:



**Pin configuration:**

SUM PORT	6,5,2
PORT 1	3
PORT 2	4
GROUND	1
EXT. RESISTOR 475Ω	3,4

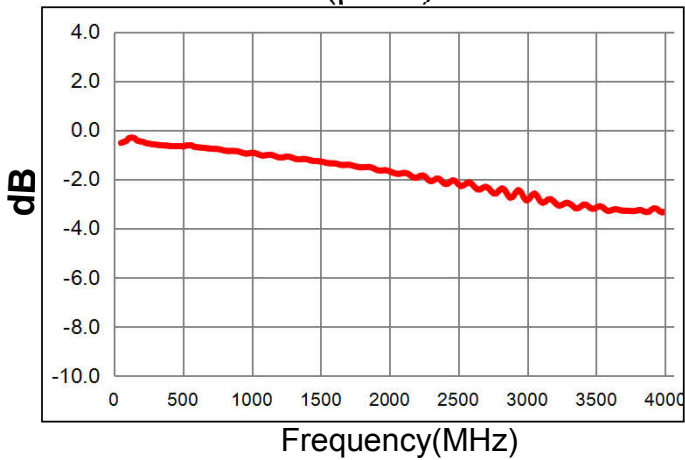
**Application circuit :**



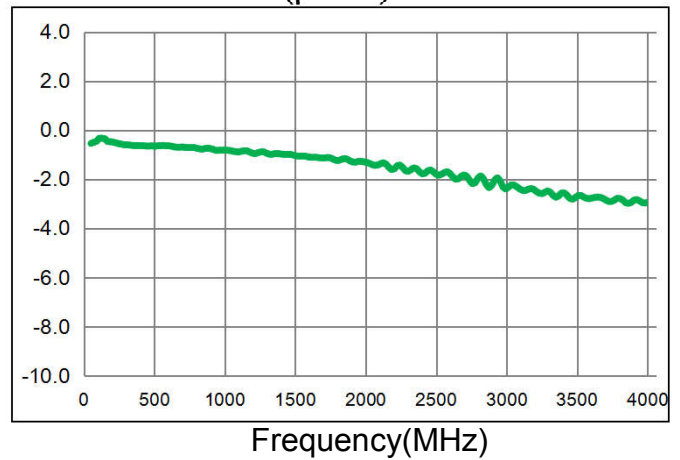
Electrical Specifications: TA=25°C , 0dBm,Z0=50Ω

Parameter	Test Conditions	Units	Min	Typ	Max
Main line Loss(out1)	50-4000MHz	dB	—	3.0	5.5
Main line Loss(out2)	50-4000MHz	dB	—	2.5	5.0
Amplitude balance	50-4000MHz	dB	—	1.0	1.5
Phase Balance	50-4000MHz	dB	—	8.0	12.0
Output 1 SWR	50-4000MHz	dB	—	2.0	3.5
Isolation	50-4000MHz	dB	10.0	20.0	—

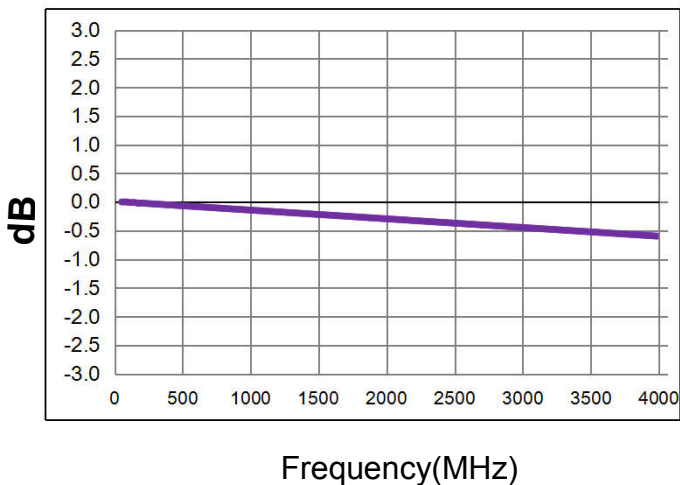
### Main line Loss(port1)



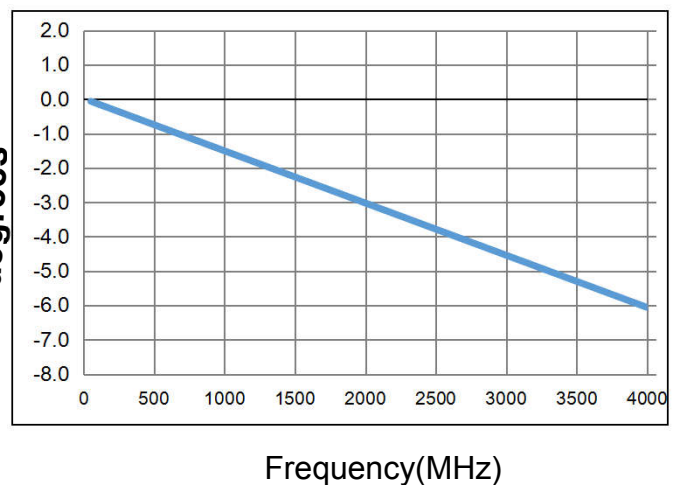
### Main line Loss(port2)



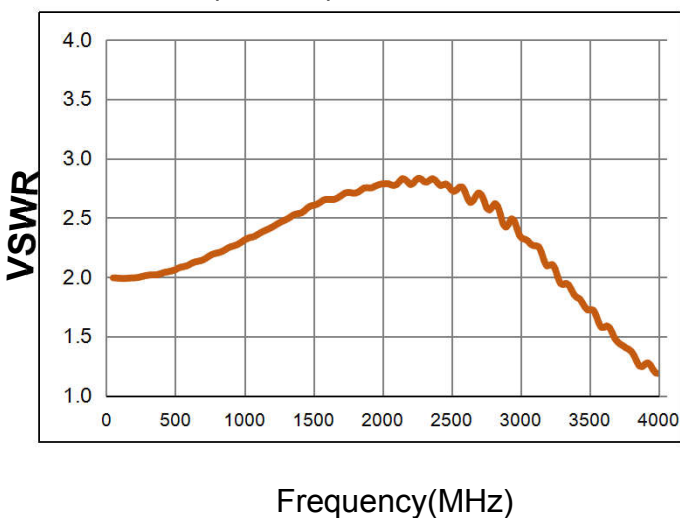
### Amplitude balance



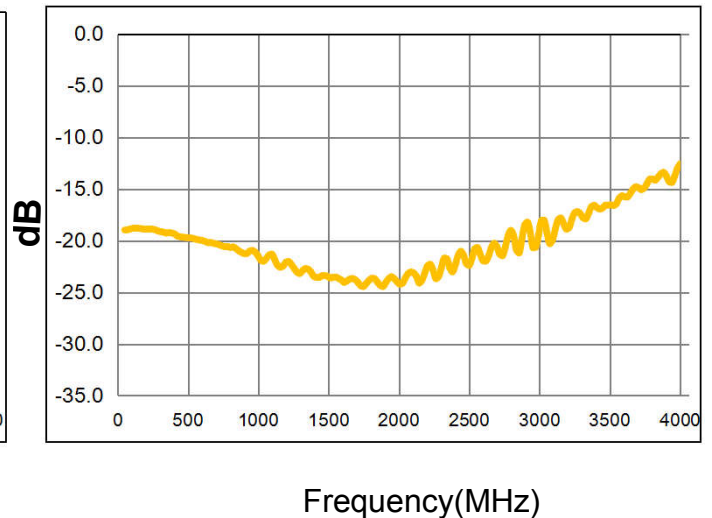
### Phase Balance



### VSWR(Port S)

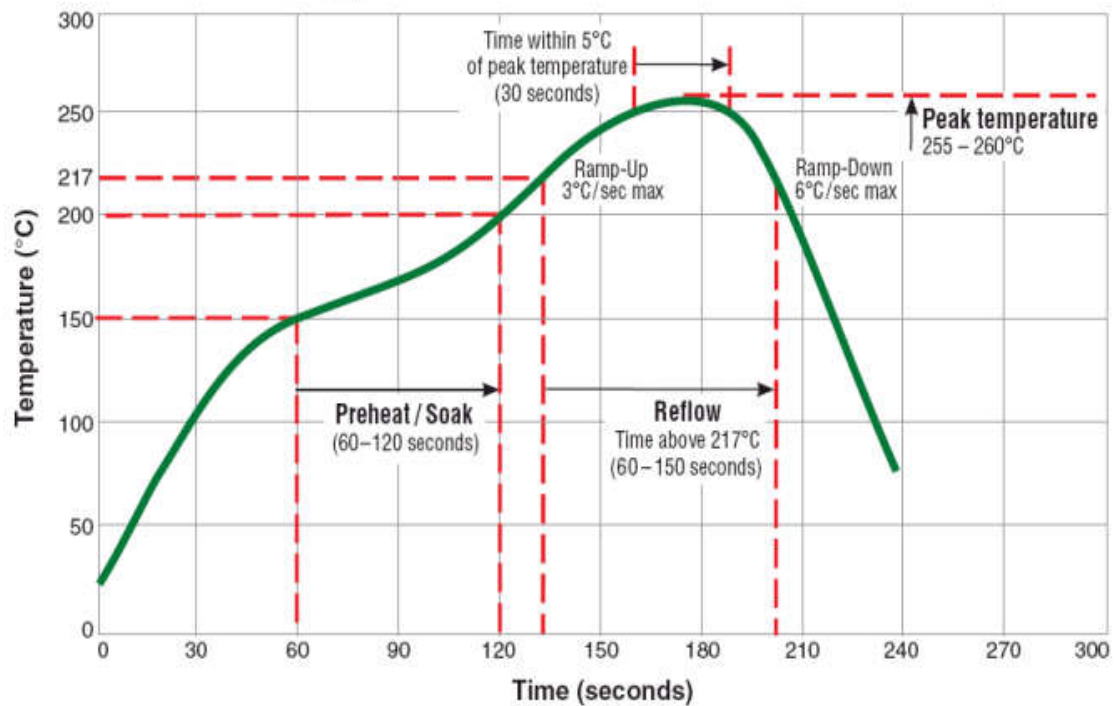


### Isolation



## Recommended Soldering Temperature Graph:

### Typical RoHS Reflow Profile



## Packaging Dimension For Caeier Tape(UNIT:mm):

