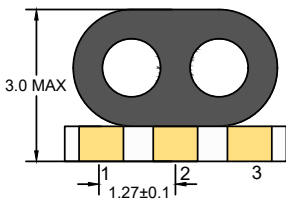
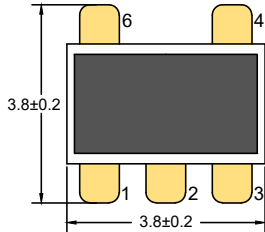
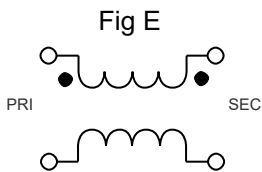


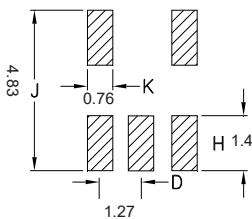
### Outline Drawing(mm)



### Electrical structure



### Recommended layout(mm)



### Pin Connections

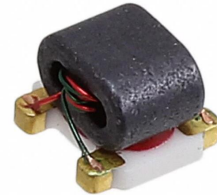
Input	4
Output 1	3
Output 2	1
Ground	6

### Features

- RF Power, 0.50W
- DC Current, 500 mA
- Operating temperature range: -40°C to +85°C
- Storage temperature range: -55°C to +100°C
- 260°C Reflow Compatible
- RoHS compliant and lead free

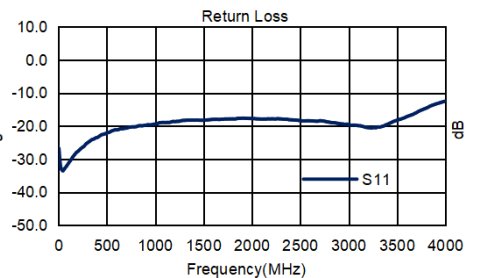
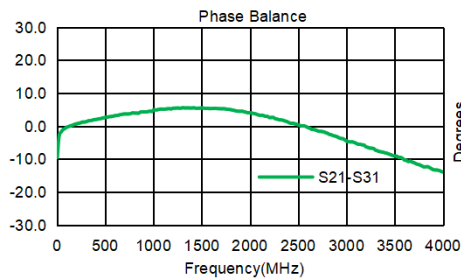
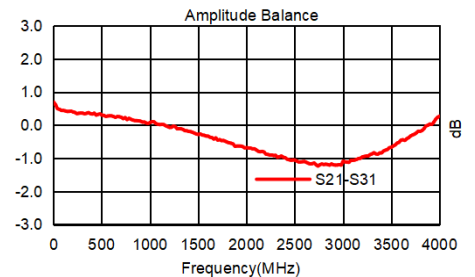
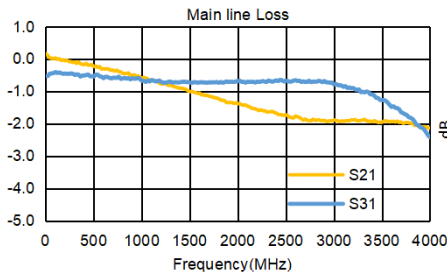
### Applications

- Impedance matching
- Balanced amplifier
- Balun
- Cellular and VHF

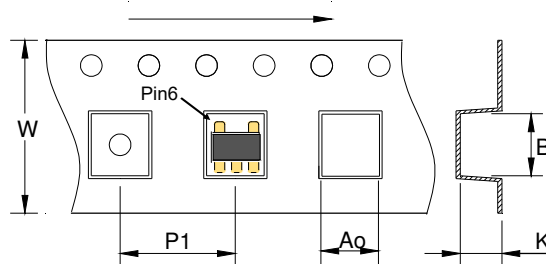


### Electrical Specifications: TA=25°C, 0dBm, Z0=50Ω

Parameter	Test Conditions	Units	Min	Typ	Max
Main line Loss (Pin4-3)	5-4000MHz	dB	—	2.0	3.5
Main line Loss (Pin4-1)	5-4000MHz	dB	—	2.0	3.5
Amplitude Balance	5-4000MHz	dB	—	1.0	2.0
Phase Balance	5-4000MHz	°	—	15.0	25.0
Input Return Loss(Pin4)	5-4000MHz	dB	10.0	20.0	—



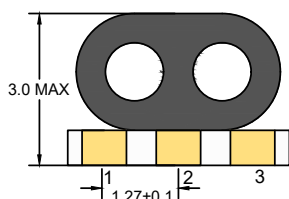
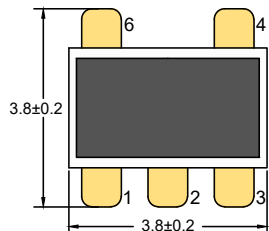
### Carrier Tape Orientation



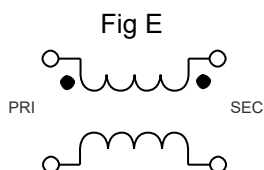
### Tape & Reel Information

Parameter	Units	Value
Qty per reel	PCS	2000
Reel Size	mm	330
Tape Width	mm	12.00
Pitch	mm	8.00
Ao	mm	4.50
Bo	mm	4.50
Ko	mm	3.20

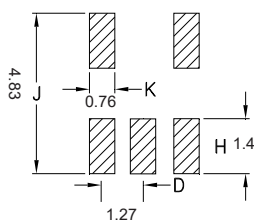
## Outline Drawing(mm)



## Electrical structure



## Recommended layout(mm)



## Pin Connections

Input	6
Output 1	3
Output 2	1
Ground	4

## Features

- RF Power, 0.50W
- DC Current, 500 mA
- Operating temperature range: -40°C to +85°C
- Storage temperature range: -55°C to +100°C
- 260°C Reflow Compatible
- RoHS compliant and lead free

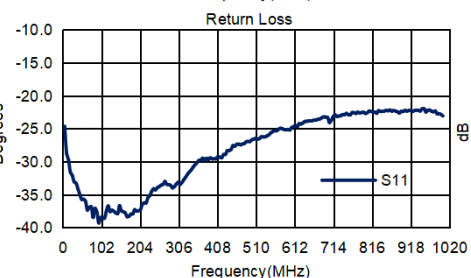
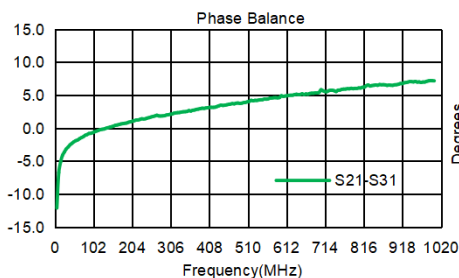
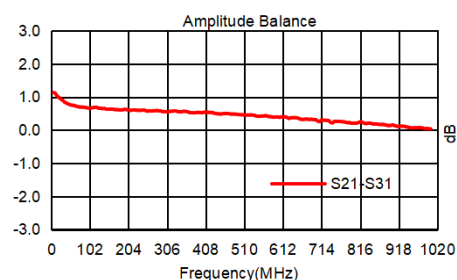
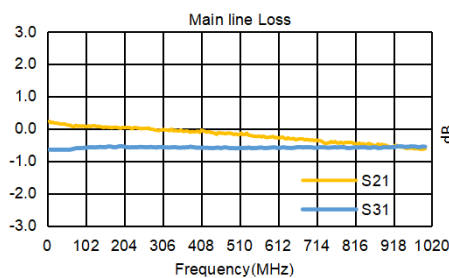
## Applications

- Impedance matching
- Balanced amplifier
- Balun
- Cellular and VHF

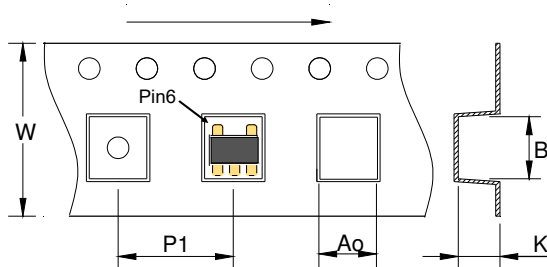


## Electrical Specifications: TA=25°C, 0dBm, Z0=75Ω

Parameter	Test Conditions	Units	Min	Typ	Max
Main line Loss (Pin6-1)	5-1002MHz	dB	—	0.6	1.2
Main line Loss (Pin6-3)	5-1002MHz	dB	—	0.6	1.2
Amplitude Balance	5-1002MHz	dB	—	0.5	1.5
Phase Balance	5-1002MHz	°	—	8.0	15.0
Input Return Loss(Pin6)	5-1002MHz	dB	16.0	20.0	—



## Carrier Tape Orientation



## Tape & Reel Information

Parameter	Units	Value
Qty per reel	PCS	2000
Reel Size	mm	330
Tape Width	mm	12.00
Pitch	mm	8.00
Ao	mm	4.50
Bo	mm	4.50
Ko	mm	3.20