

# RF Balun Transformer

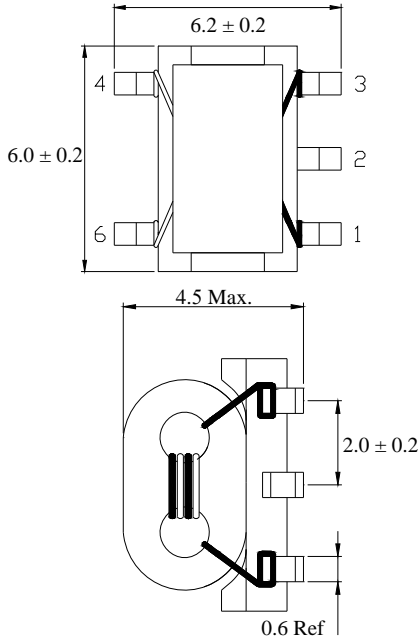
## B010-458PT-0404-G215

2022-06-28 Rev. 0

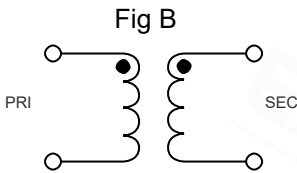


75Ω 1:1 Flux Coupled Transformer 5-200 MHz

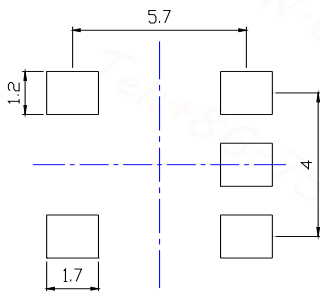
### Outline Drawing(mm)



### Electrical structure



### Recommended layout(mm)



### Pin Connections

Input	4
Output 1	3
Output 2	1
Ground	6

### Features

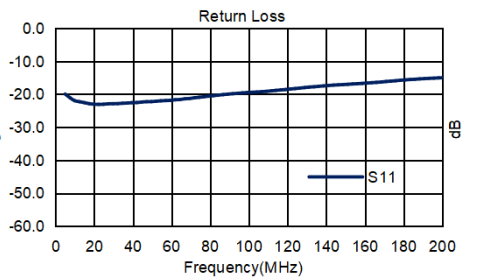
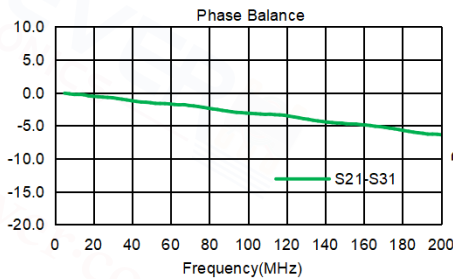
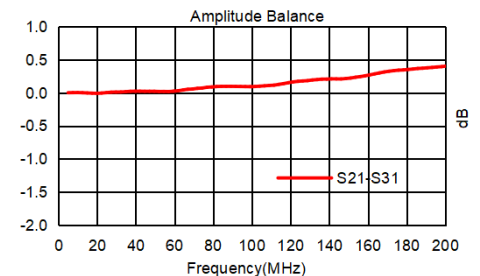
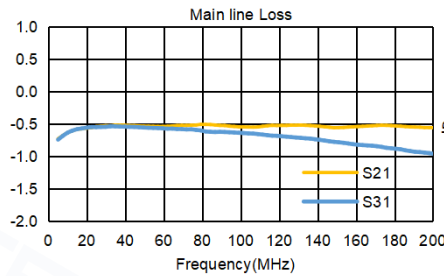
- Operating temperature range: -40 °C to +85 °C
- Storage temperature range: -55 °C to +100 °C
- 260°C Reflow Compatible
- RoHS compliant and lead free
- Input Power: 250 mW Max
- DC Current: 30mA Max

### Applications

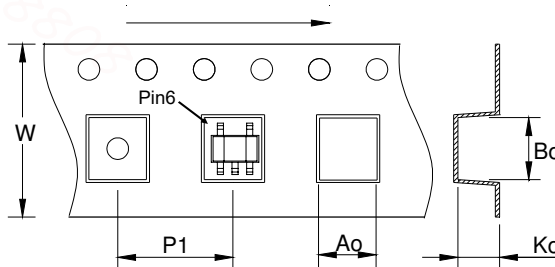
- For Docsis 3.0 & 3.1 Cable Modem.
- For Wideband Push-pull Amplifiers.
- For CATV Amplifiers Module & Set top box.
- For CATV Optical Receivers and Amplifiers.
- For VHF/UHF Transmitters and Push-pull Amplifiers.

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

Parameter	Test Conditions	Units	Min	Typ	Max
Main line Loss (Pin4-3)	5-200MHz	dB	—	0.5	1.0
Main line Loss (Pin4-1)	5-200MHz	dB	—	0.8	1.5
Amplitude Balance	5-200MHz	dB	0.0	0.3	1.0
Phase Balance	5-200MHz	°	0.0	5.0	15.0
Input Return Loss(Pin4)	5-200MHz	dB	12.0	16.0	—



### Carrier Tape Orientation



### Tape & Reel Information

Parameter	Units	Value
Qty per reel	PCS	1000
Reel Size	mm	330
Tape Width	mm	16.00
Pitch	mm	12.00
Ao	mm	7.20
Bo	mm	7.50
Ko	mm	4.90