

# RF Balun Transformer

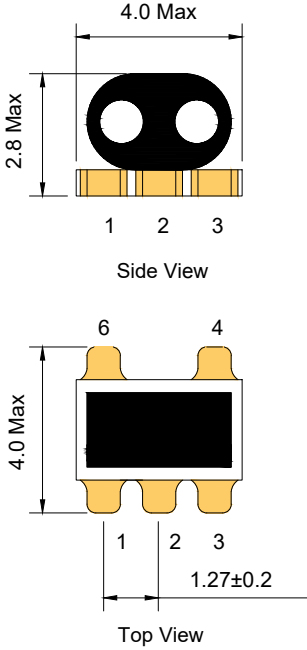
## EBA1.33-1-H013321

2024-05-08 Rev. 1

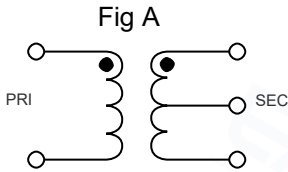


75Ω 1: 1.33 CT Flux Coupled Transformer 1-500 MHz

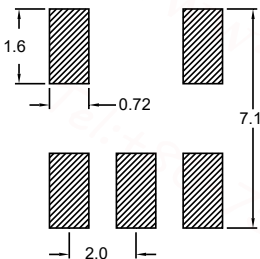
### Outline Drawing(mm)



### Electrical structure



### Recommended layout(mm)



### Pin Connections

Input	4
Output 1	3
Output 2	1
Ground	2,6

### Features

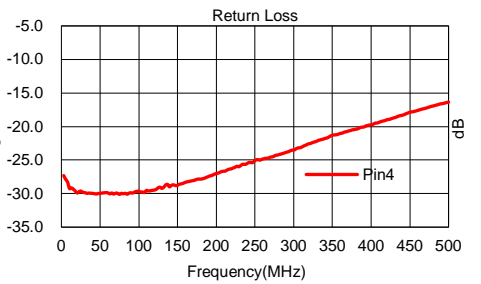
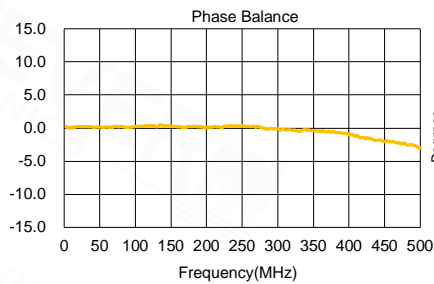
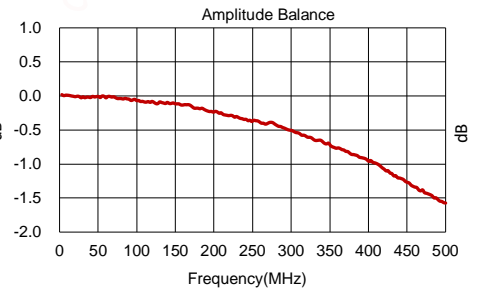
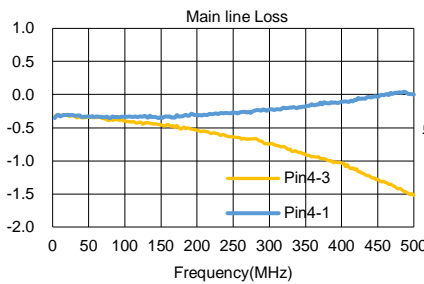
- Operating temperature range: -40°C to +85°C
- Storage temperature range: -55°C to +100°C
- 260°C Reflow Compatible
- RoHS compliant and lead free
- Input Power: 250mW Max
- DC Current: 30mA Max

### Applications

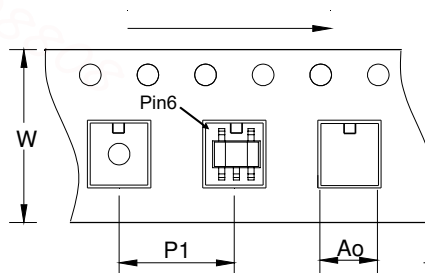
- For Doccis 3.0 & 4.0 Cable Modem.
- For Wideband Push-pull Amplifiers.
- For CATV Amplifiers Module & Set top box.
- For CATV Optical Receivers and Amplifiers.
- For VHF/UHF Transmitters and Push-pull Amplifiers.

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

Parameter	Test Conditions	Units	Min	Typ	Max
Main line Loss (Pin4-3)	1-500MHz	dB	—	1.0	1.8
Main line Loss (Pin4-1)	1-500MHz	dB	—	0.4	0.8
Amplitude Balance	1-500MHz	dB	0.0	1.5	2.0
Phase Balance	1-500MHz	°	0.0	5.0	8.0
Input Return Loss(Pin4)	1-500MHz	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	18.00
Ao	mm	4.50
Bo	mm	4.50
Ko	mm	3.20