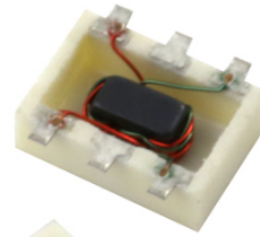


# RF Balun Transformer

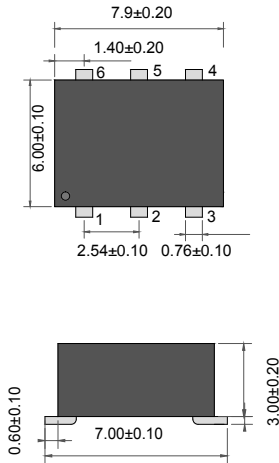
## EBA1.5-1-G035081

2022-12-19 Rev. 0

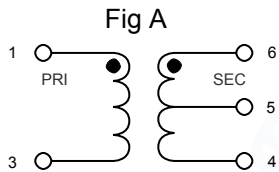


50Ω 1:1.5 RF Flux Coupled Transformer 0.5-550 MHz

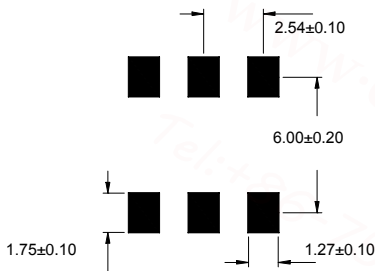
### Outline Drawing(mm)



### Electrical structure



### Recommended layout(mm)



### Pin Connections

Pin no.	Function
1	Primary Dot
3	Primary
4	Secondary
5	Not Used
6	Secondary Dot

### Features

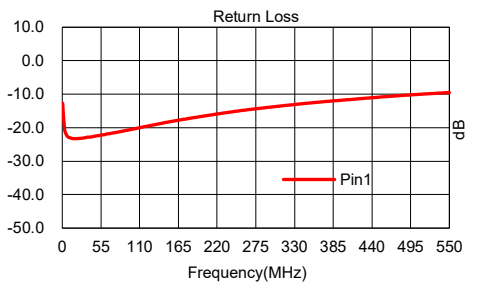
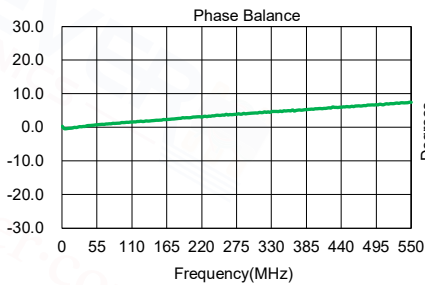
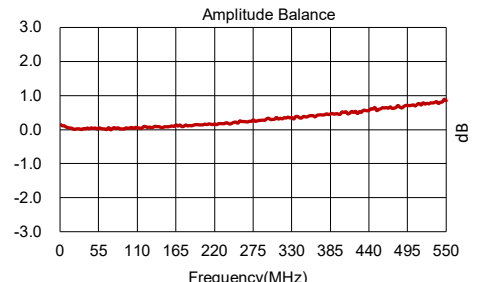
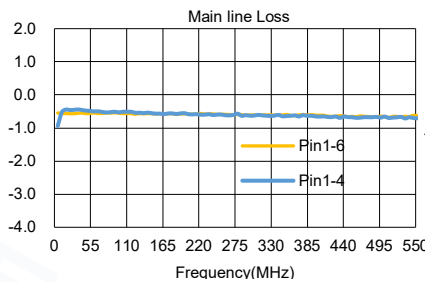
- RF Power, 1W Max
- DC Current, 30mA Max
- 260°C Reflow Compatible
- RoHS compliant and lead free
- Operating temperature range:-40 C to +85 C
- Storage temperature range: -55 C to +100 C

### Applications

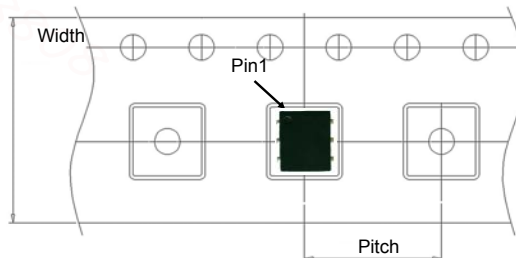
- For Motorola Walkie-talkie.
- For Car Streaming Media Rearview Mirror.
- For Broadband and Wireless Communications.
- For Wireless Microphone & Marine Communications.
- For Ldeally Suited LTE, Cellular, UMTS, WiFi, WiMAX.
- For Differential Modulator/demodulator and Active Mixers.

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

Parameter	Test Conditions	Units	Min	Typ	Max
Main line Loss (Pin1-5)	0.5-550MHz	dB	—	0.8	1.5
Main line Loss (Pin1-4)	0.5-550MHz	dB	—	0.8	1.5
Amplitude Balance	0.5-550MHz	dB	—	1.0	1.0
Phase Balance	0.5-550MHz	°	—	2.0	5.0
Input Return Loss(Pin1)	0.5-550MHz	dB	10.0	14.0	—



### Carrier Tape Orientation



### Tape & Reel Information

Parameter	Units	Value
Qty per reel	PCS	1500
Reel Size	mm	330
Tape Width	mm	16.00
Pitch	mm	12.00
Ao	mm	7.30
Bo	mm	8.30
Ko	mm	3.20