

# RF Balun Transformer

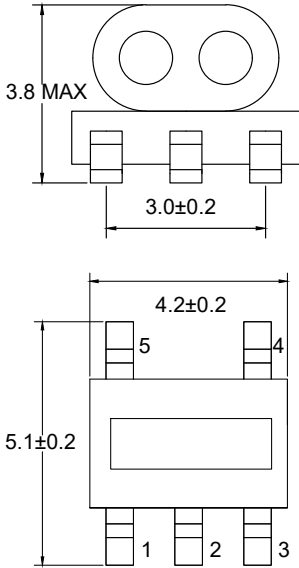
## EBA0606-G009109

2024-07-17 Rev. 0

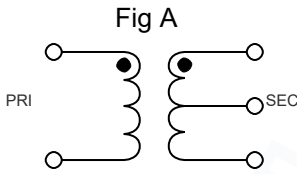


75Ω 1:1 CT Flux Coupled Transformer 1-100 MHz

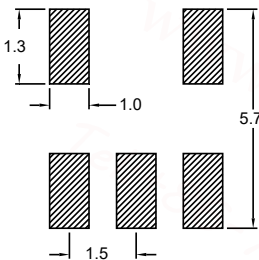
### Outline Drawing(mm)



### Electrical structure



### Recommended layout(mm)



### Pin Connections

Input	4
Output 1	3
Output 2	1
Ground	5
Centre tap (Ground)	2

### Features

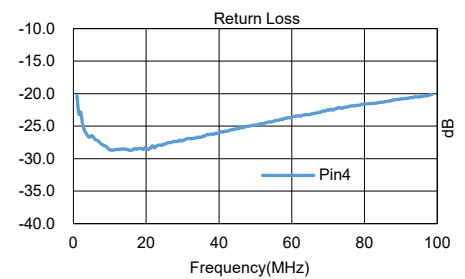
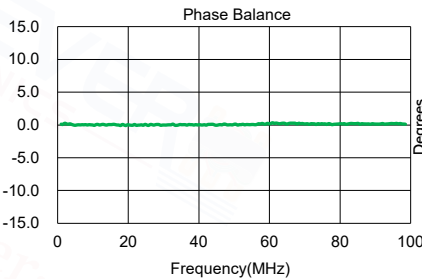
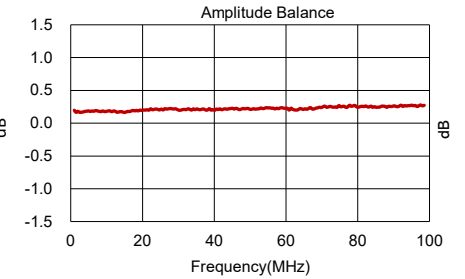
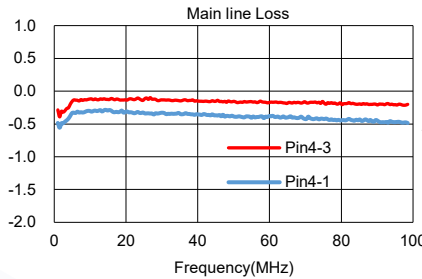
- RF Power, 0.25W Max
- DC Current, 30mA Max
- HI-POT: 150Vrms 2s, Leakage current 0.5mA max., Pri. to Sec.
- RF POWER: +20dBm
- INDUCTANCE (100KHz, 100mV):77uH Min
- Operating temperature range: -40 C to +85 C
- Storage temperature range: -55 C to +100 C
- 260°C Reflow Compatible
- RoHS compliant and lead free

### Applications

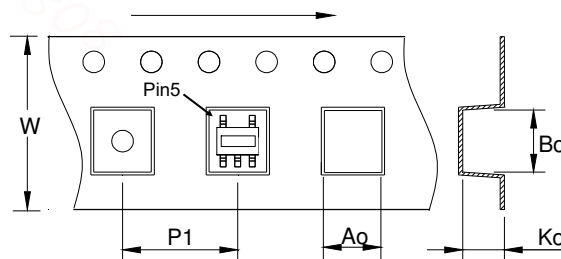
- For Motorola Walkie-talkie.
- For Car Streaming Media Rearview Mirror.
- For Broadband and Wireless Communications.
- For Wireless Microphone & Marine Communications.
- For Ideally Suited LTE, Cellular, UMTS, WiFi, WiMAX.
- For Differential Modulator/demodulator and Active Mixers.

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

Parameter	Test Conditions	Units	Min	Typ	Max
Main line Loss (Pin4-3)	1-100MHz	dB	—	0.2	0.5
Main line Loss (Pin4-1)	1-100MHz	dB	—	0.5	0.8
Amplitude Balance	1-100MHz	dB	—	0.3	0.5
Phase Balance	1-100MHz	°	—	0.5	1.0
Input Return Loss(Pin4)	1-100MHz	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	5.70
Ko	mm	3.80