

RF Balun Transformer

EBA9-1T-G035082

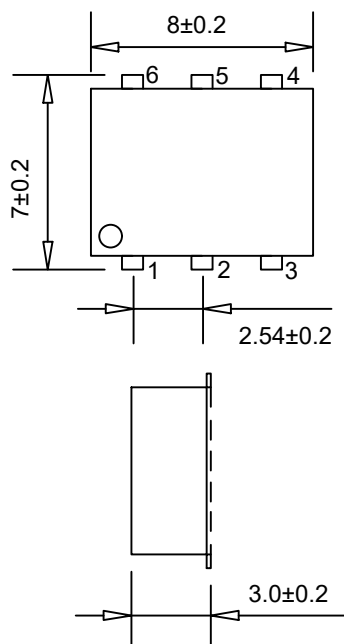
2022-12-23 Rev. 0

50Ω 1: 9 CT Flux Coupled Transformer

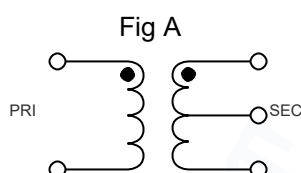
5-250 MHz



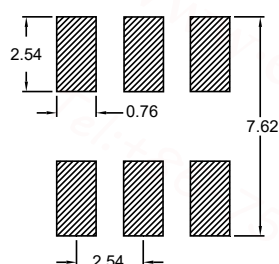
Outline Drawing(mm)



Electrical structure



Recommended layout(mm)



Pin Connections

Input	3
Output 1	4
Output 2	6
Ground	1, 5

Features

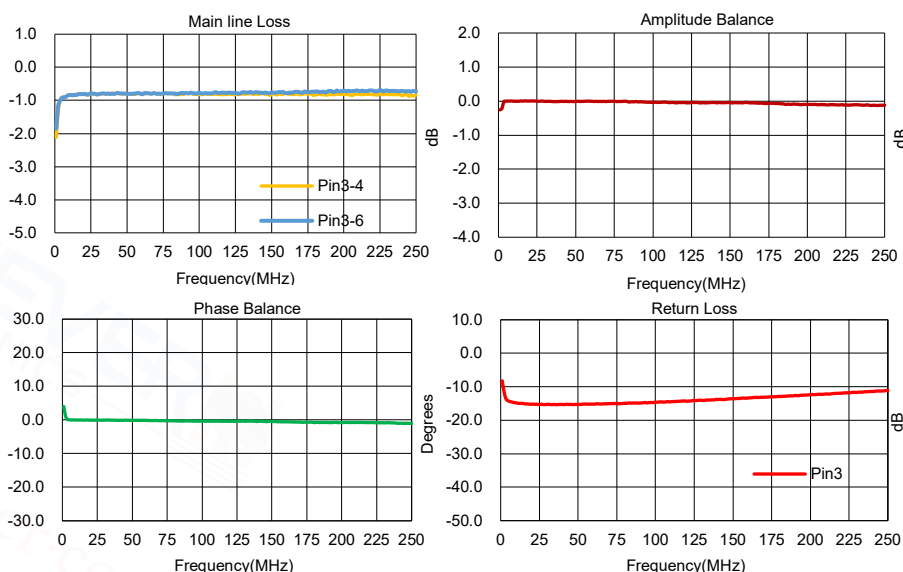
- RF Power, 0.25W
- DC Current, 30mA
- Operating temperature range: -40℃ to +85℃
- Storage temperature range: -55℃ to +100℃
- 260℃ Reflow Compatible
- RoHS compliant and lead free

Applications

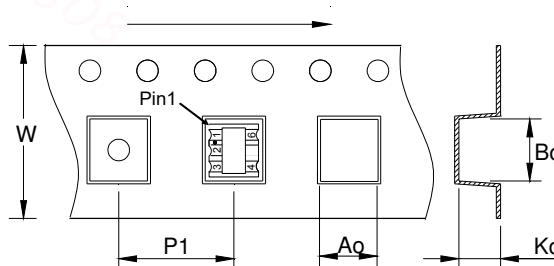
- For Motorola Walkie-talkie.
- For Car Streaming Media Rearview Mirror.
- For Broadband and Wireless Communications.
- For Wireless Microphone & Marine Communications.
- For Ideally Suited LTE, Cellular, UMTS, WiFi, WiMAX.
- For Differential Modulator/demodulator and Active Mixers.

Electrical Specifications:TA=25℃, 0dBm, Z0=50Ω

Parameter	Test Conditions	Units	Min	Typ	Max
Main line Loss (Pin3-4)	5-250MHz	dB	—	0.8	1.3
Main line Loss (Pin3-6)	5-250MHz	dB	—	0.8	1.3
Amplitude Balance	5-250MHz	dB	—	0.1	0.5
Phase Balance	5-250MHz	°	—	1.0	2.0
Input Return Loss(Pin3)	5-250MHz	dB	10.0	12.0	—



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	7.20
Bo	mm	8.10
Ko	mm	3.80