

RF Balun Transformer

EBA2-1T-G035007

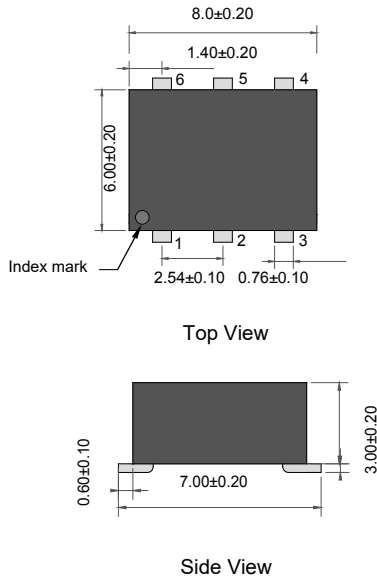
2024-10-09 Rev. 0



50Ω 1: 2 CT Flux Coupled Transformer

0.4-450 MHz

Outline Drawing(mm)



Features

- RF Power, 0.25W
- DC Current, 30mA
- Operating temperature range: -20°C to +85°C
- Storage temperature range: -55°C to +100°C
- 260°C Reflow Compatible
- RoHS compliant and lead free

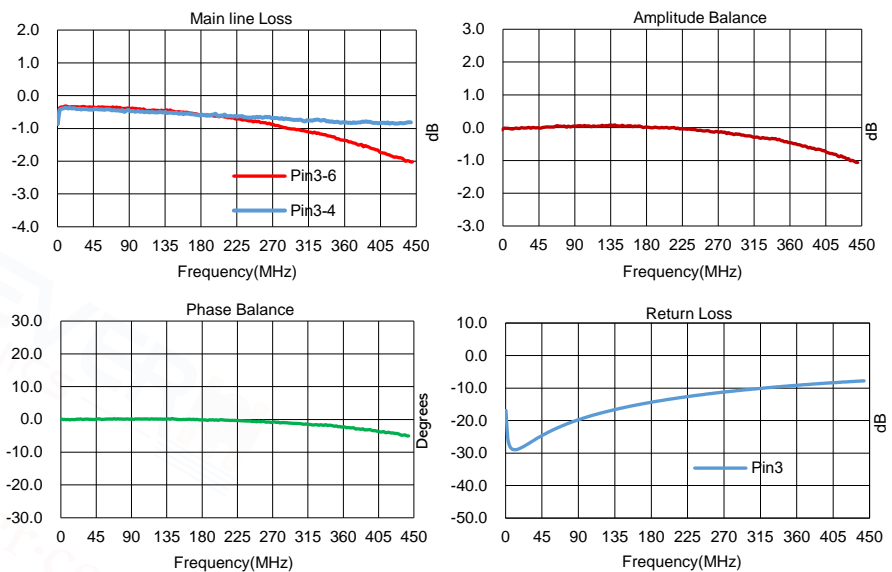
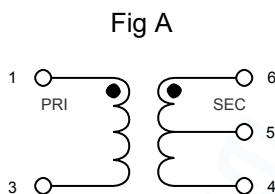
Applications

- 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.

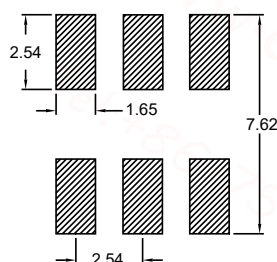
Electrical Specifications: TA=25°C, 0dBm, Z0=50Ω

Parameter	Test Conditions	Units	Min	Typ	Max
Main line Loss (Pin3-4)	0.4-450MHz	dB	—	0.8	1.2
Main line Loss (Pin3-6)	0.4-450MHz	dB	—	1.8	2.1
Amplitude Balance	0.4-450MHz	dB	—	0.9	1.1
Phase Balance	0.4-450MHz	°	—	3.0	8.0
Input Return Loss(Pin3)	0.4-450MHz	dB	6.0	10.0	—

Electrical structure



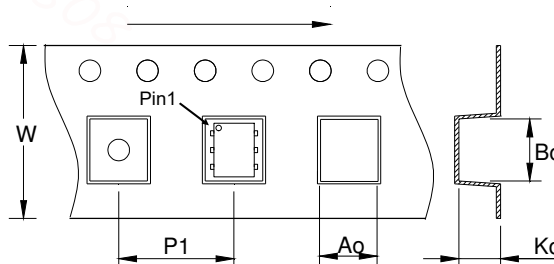
Recommended layout(mm)



Pin Connections

Input	3
Output 1	6
Output 2	4
Ground	1, 5
NOT USED	2

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