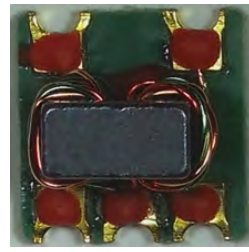


RF Balun Transformer

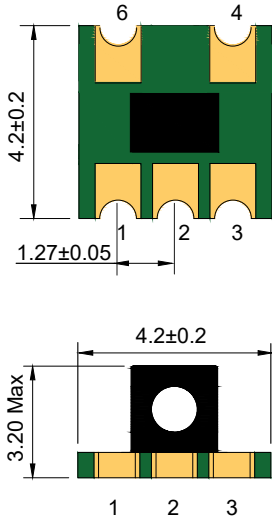
EBA4-1T-A018644

2023-04-12 Rev. 0

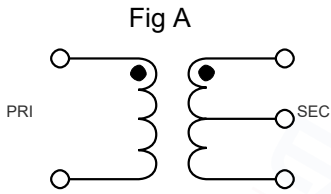
50Ω 1: 4 CT Flux Coupled Transformer 0.5-300MHz



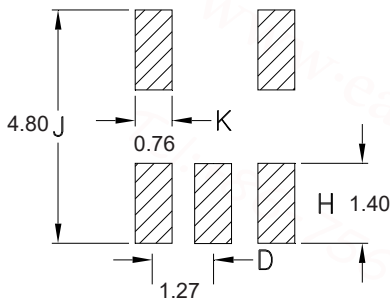
Outline Drawing(mm)



Electrical structure



Recommended layout(mm)



Pin Connections

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

Features

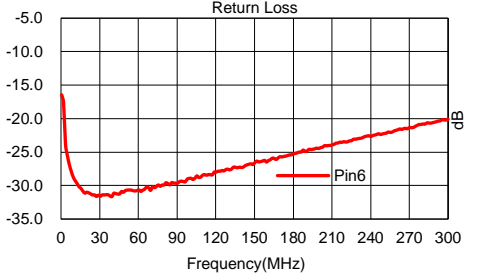
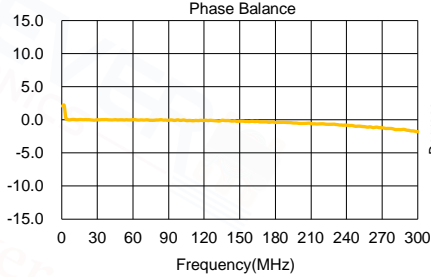
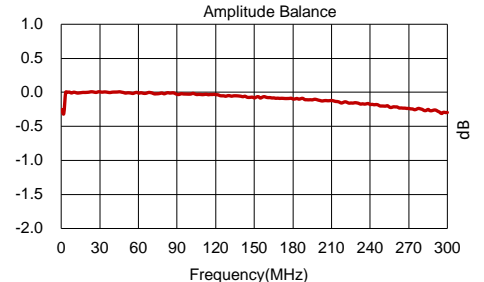
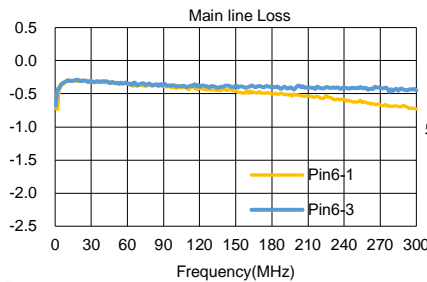
- Operating temperature range: -40℃ to +85℃
- Storage temperature range: -55℃ to +100℃
- 260℃ Reflow Compatible
- RoHS compliant and lead free
- Input Power: 250mW Max
- DC Current: 30mA Max

Applications

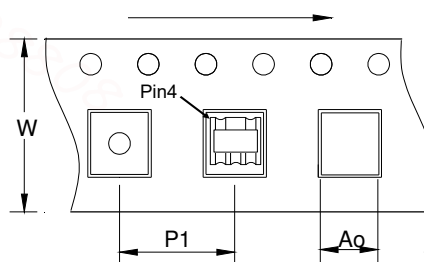
- For Motorola Walkie-talkie.
- For Car Streaming Media Rearview Mirror.
- For Broadband and Wireless Communications.
- For Wireless Microphone & Marine Communications.
- For Ideally Suited LTE, Cellular, UMTS, WiFi, WiMAX.
- For Differential Modulator/demodulator and Active Mixers.

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

Parameter	Test Conditions	Units	Min	Typ	Max
Main line Loss (Pin6-1)	0.5-300MHz	dB	—	0.7	1.0
Main line Loss (Pin6-3)	0.5-300MHz	dB	—	0.5	0.8
Amplitude Balance	0.5-300MHz	dB	0.0	0.3	0.8
Phase Balance	0.5-300MHz	°	0.0	2.0	8.0
Input Return Loss(Pin6)	0.5-300MHz	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	4.50
Ko	mm	3.20