

RF Balun Transformer

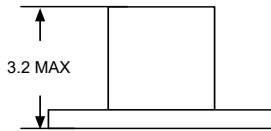
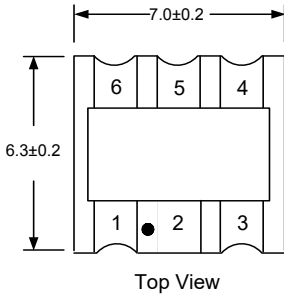
EBA1-1T-C001032

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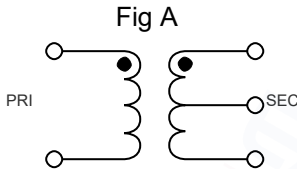


75Ω 1: 1 CT Flux Coupled Transformer 0.3-800 MHz

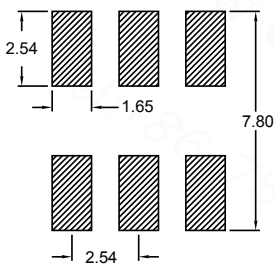
Outline Drawing(mm)



Electrical structure



Recommended layout(mm)



Pin Connections

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

Features

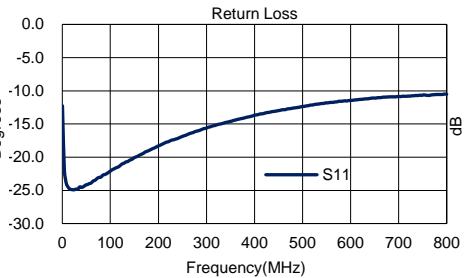
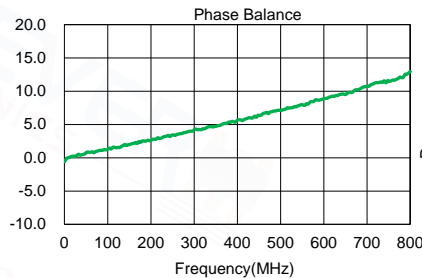
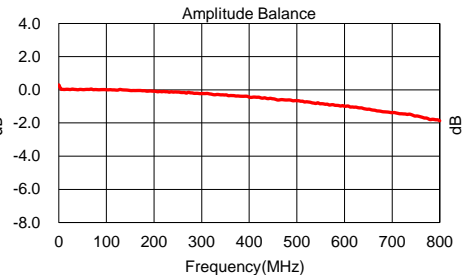
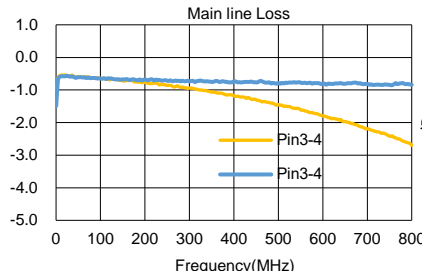
- Operating temperature range: -40 °C to +85 °C
- Storage temperature range: -55 °C to +100 °C
- 260°C Reflow Compatible
- RoHS compliant and lead free
- Input Power: 500mW Max
- DC Current: 30mA Max

Applications

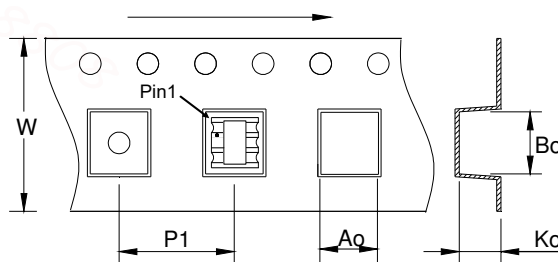
- For Motorola Walkie-talkie.
- For Car Streaming Media Rearview Mirror.
- For Broadband and Wireless Communications.
- For Wireless Microphone & Marine Communications.
- For Ideally Suited LTE, Cellular, UMTS, WiFi, WiMAX.
- For Differential Modulator/demodulator and Active Mixers.

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

Parameter	Test Conditions	Units	Min	Typ	Max
Main line Loss (Pin3-4)	0.3-800MHz	dB	—	2.5	3.0
Main line Loss (Pin3-6)	0.3-800MHz	dB	—	0.8	1.5
Amplitude Balance	0.3-800MHz	dB	0.0	1.8	2.5
Phase Balance	0.3-800MHz	°	0.0	10.0	18.0
Input Return Loss(Pin3)	0.3-800MHz	dB	6.0	10.0	—



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	4.20