

RF Balun Transformer

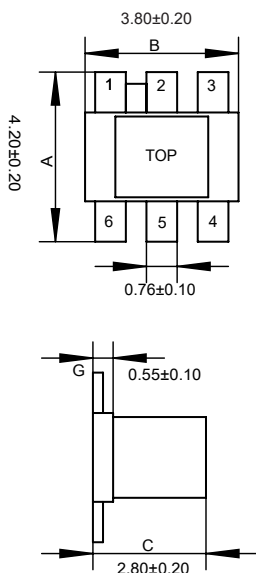
EBA0510-G012082

2020-08-27 Rev. 0

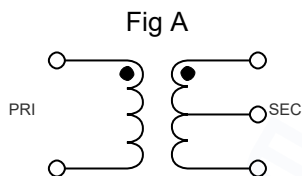


50Ω 1: 4 CT Flux Coupled Transformer 0.5-300 MHz

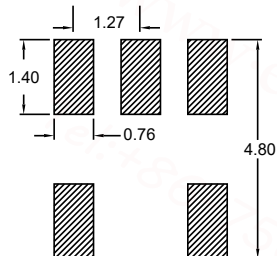
Outline Drawing(mm)



Electrical structure



Recommended layout(mm)



Pin Connections

Input	6
Output 1	1
Output 2	3
Not connected	5
ground	4, 2

Features

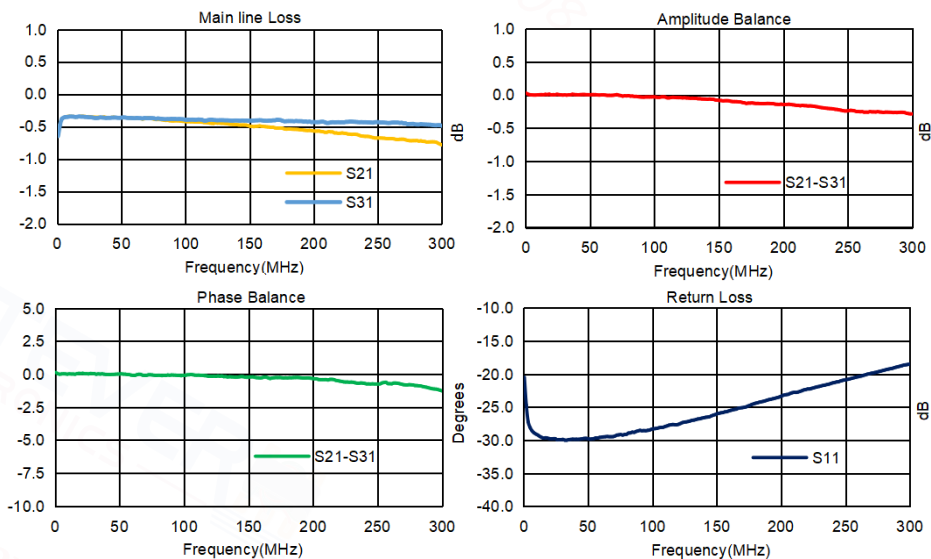
- Operating temperature range: -40℃ to +85℃
- Storage temperature range: -55℃ to +100℃
- 260℃ Reflow Compatible
- RoHS compliant and lead free
- Input Power: 250mW
- DC Current: 30mA

Applications

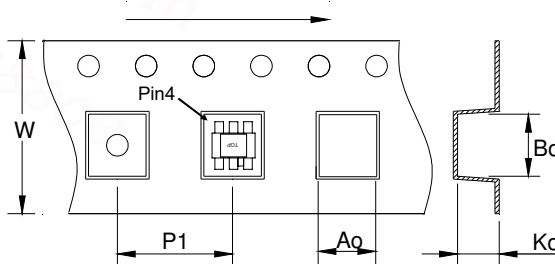
- For Motorola Walkie-talkie.
- For Car Streaming Media Rearview Mirror.
- For Broadband and Wireless Communications.
- For Wireless Microphone & Marine Communications.
- For Ideally Suited LTE, Cellular, UMTS, WiFi, WiMAX.
- For Differential Modulator/demodulator and Active Mixers.

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

Parameter	Test Conditions	Units	Min	Typ	Max
Main line Loss (Pin6-1)	0.5-300MHz	dB	—	0.5	1.2
Main line Loss (Pin6-3)	0.5-300MHz	dB	—	0.8	1.5
Amplitude Balance	0.5-300MHz	dB	—	0.3	1.2
Phase Balance	0.5-300MHz	°	—	2.0	10.0
Input Return Loss(Pin6)	0.5-300MHz	dB	12.0	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	12.00
Ao	mm	4.50
Bo	mm	4.50
Ko	mm	3.20