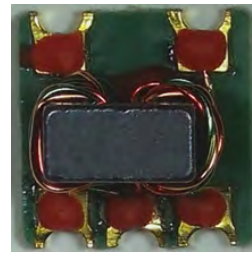


RF Balun Transformer

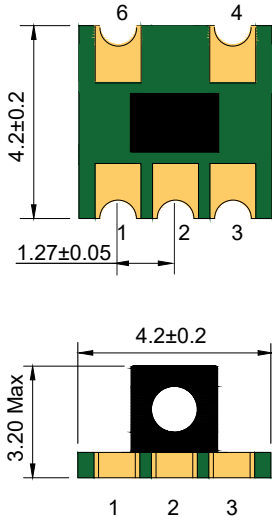
EBA16-1-B018644

2023-04-12 Rev. 0

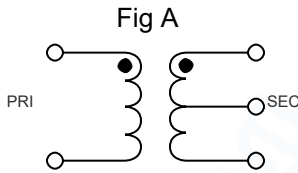
50Ω 1:16 CT Flux Coupled Transformer 0.5-160MHz



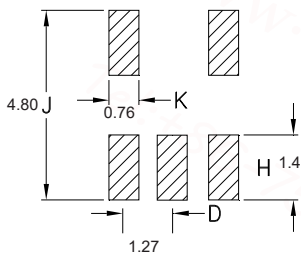
Outline Drawing(mm)



Electrical structure



Recommended layout(mm)



Pin Connections

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

Features

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

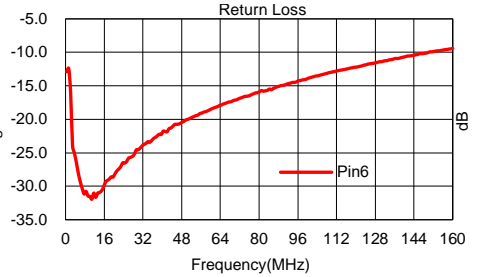
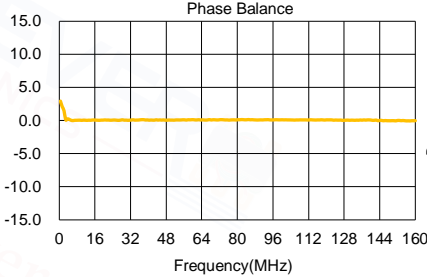
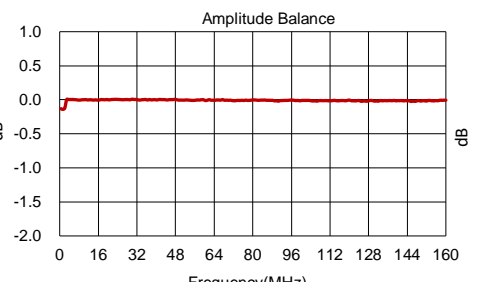
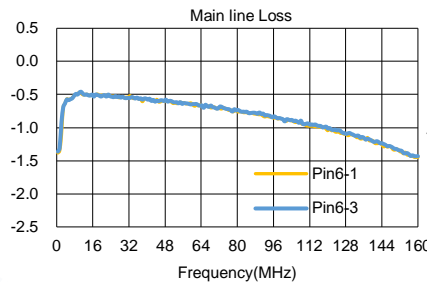
Applications

- 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.

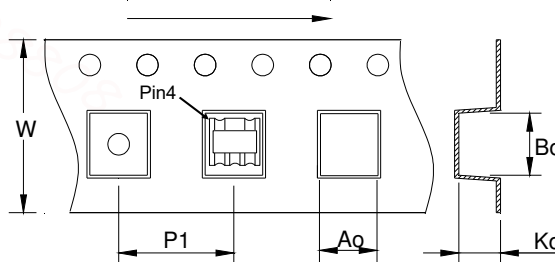
Equivalent to:TC16-161T+

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

Parameter	Test Conditions	Units	Min	Typ	Max
Main line Loss (Pin6-1)	0.5-160MHz	dB	—	1.5	2.5
Main line Loss (Pin6-3)	0.5-160MHz	dB	—	1.5	2.5
Amplitude Balance	0.5-160MHz	dB	0.0	0.0	0.5
Phase Balance	0.5-160MHz	°	0.0	0.5	3.0
Input Return Loss(Pin6)	0.5-160MHz	dB	8.0	12.0	—



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