

RF Balun Transformer

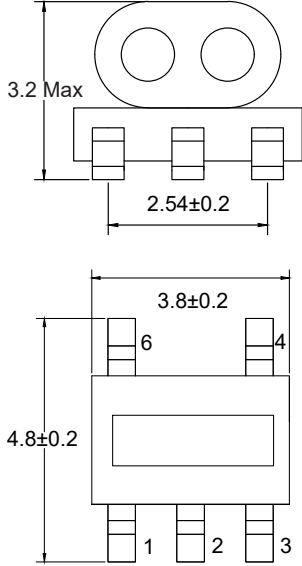
EBA0633-G006081

2023-05-10 Rev. 0

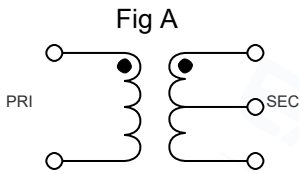


50Ω 1: 1 CT Flux Coupled Transformer 3-200MHz

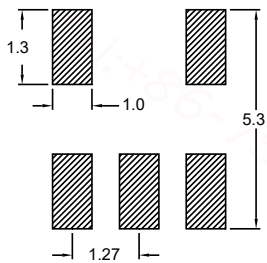
Outline Drawing(mm)



Electrical structure



Recommended layout(mm)



Pin Connections

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

Features

- Operating temperature range: -40℃ to +85℃
- Storage temperature range: -55℃ to +125℃
- 260℃ Reflow Compatible
- RoHS compliant and lead free
- Input Power: 2.0W Max
- DC Current: 100mA Max

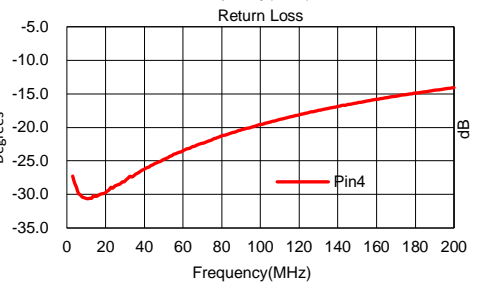
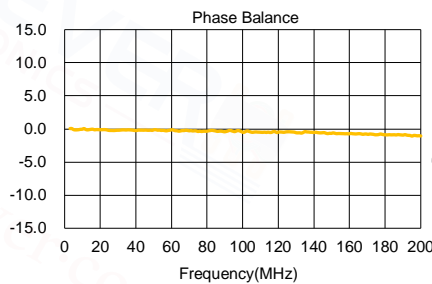
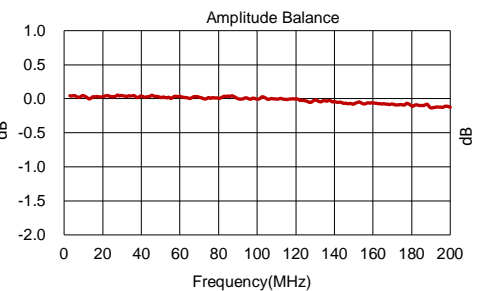
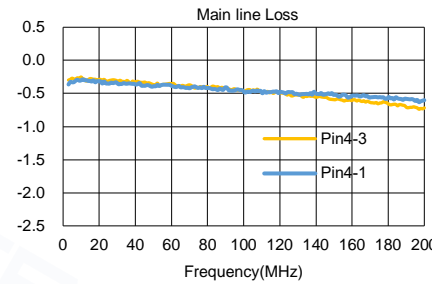
Equivalent to: XFM-0201-1WH

Applications

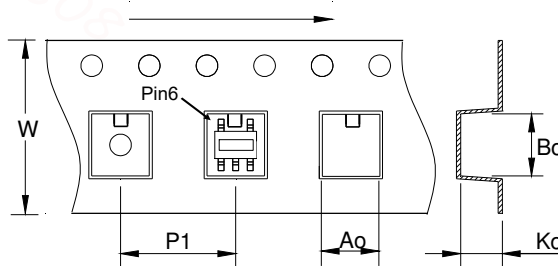
- For Motorola Walkie-talkie.
- For Car Streaming Media Rearview Mirror.
- For Broadband and Wireless Communications.
- For Wireless Microphone & Marine Communications.
- For Ideally Suited LTE, Cellular, UMTS, WiFi, WiMAX.
- For Differential Modulator/demodulator and Active Mixers.

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

| Parameter | Test Conditions | Units | Min | Typ | Max |
|-------------------------|-----------------|-------|------|------|-----|
| Main line Loss (Pin4-3) | 3-200MHz | dB | — | 0.7 | 1.2 |
| Main line Loss (Pin4-1) | 3-200MHz | dB | — | 0.6 | 1.0 |
| Amplitude Balance | 3-200MHz | dB | — | 0.2 | 0.5 |
| Phase Balance | 3-200MHz | ° | — | 1.0 | 5.0 |
| Input Return Loss(Pin4) | 3-200MHz | dB | 11.0 | 15.0 | — |



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 | 5.70 |
| Ko | mm | 3.60 |