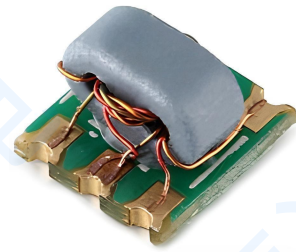


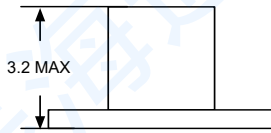
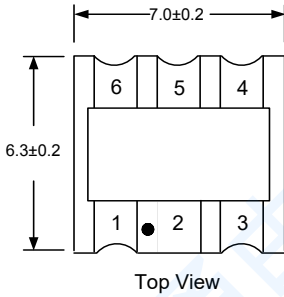
RF Balun Transformer

B0310A

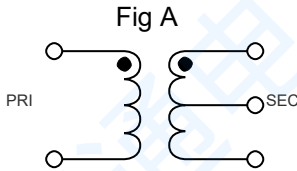


75Ω 1: 1 CT Flux Coupled Transformer 0.3-800 MHz

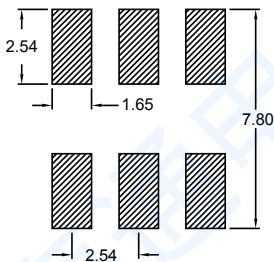
Outline Drawing(mm)



Electrical structure



Recommended layout(mm)



Pin Connections

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

Features

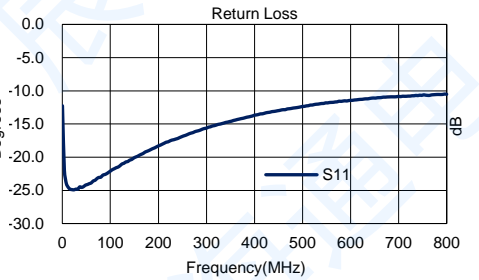
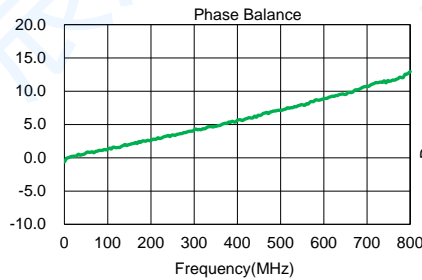
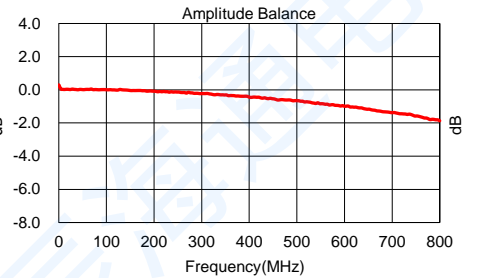
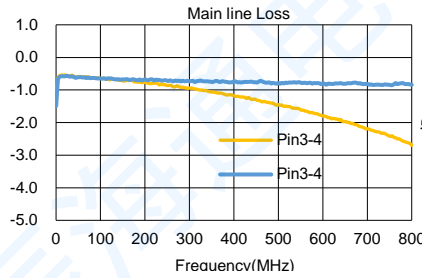
- Operating temperature range: -40 °C to +85 °C
- Storage temperature range: -55 °C to +100 °C
- 260°C Reflow Compatible
- RoHS compliant and lead free
- Input Power: 500mW Max
- DC Current: 30mA Max

Applications

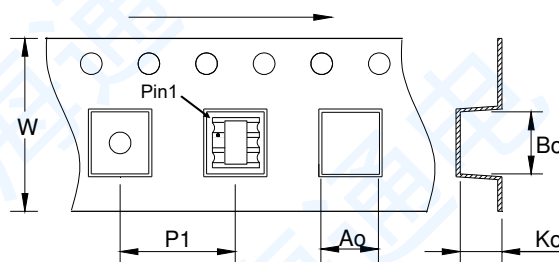
- For Motorola Walkie-talkie.
- For Car Streaming Media Rearview Mirror.
- For Broadband and Wireless Communications.
- For Wireless Microphone & Marine Communications.
- For Ideally Suited LTE, Cellular, UMTS, WiFi, WiMAX.
- For Differential Modulator/demodulator and Active Mixers.

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 |