

RF Balun Transformer

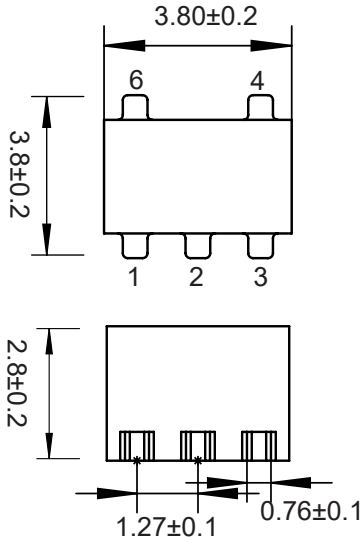
EBA0705-C013082

2020-01-18 Rev. 0

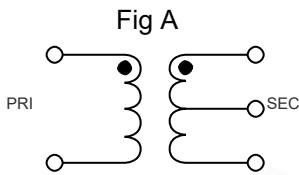


50Ω 1:1CT Flux Coupled Transformer 5-120 MHz

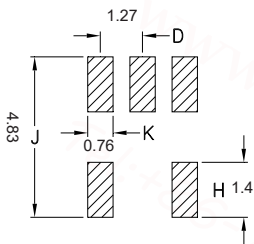
Outline Drawing(mm)



Electrical structure



Recommended layout(mm)



Pin Connections

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

Features

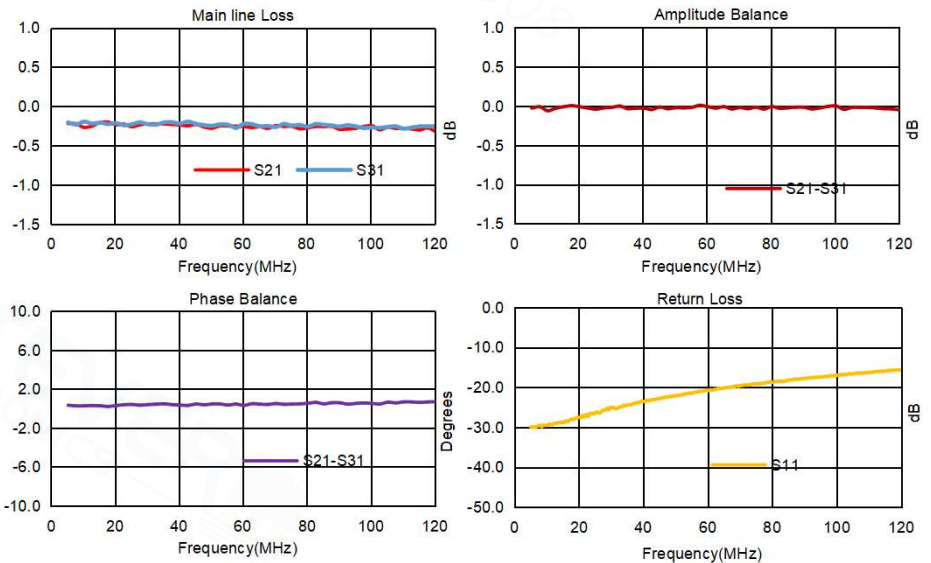
- Operating temperature range: -40°C to +85°C
- Storage temperature range: -55°C to +100°C

Applications

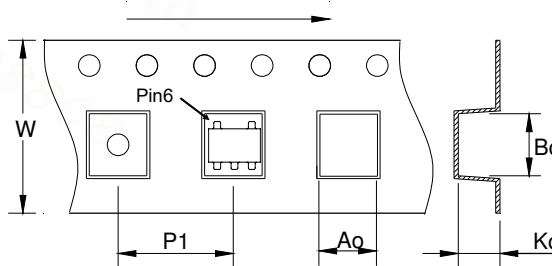
- Impedance matchin
- Balanced amplifie
- Balun
- Cellula and VHF

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

| Parameter | Test Conditions | Units | Min | Typ | Max |
|-------------------------|-----------------|-------|------|------|-----|
| Main line Loss (Pin4-3) | 5-120MHz | dB | — | 0.3 | 0.6 |
| Main line Loss (Pin4-1) | 5-120MHz | dB | — | 0.3 | 0.6 |
| Amplitude Balance | 5-120MHz | dB | 0.0 | 0.1 | 0.3 |
| Phase Balance | 5-120MHz | ° | 0.0 | 1.0 | 5.0 |
| Input Return Loss(Pin4) | 5-120MHz | dB | 14.0 | 18.0 | — |



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 |