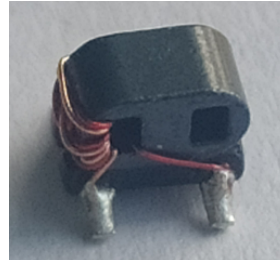


# RF Balun Transformer

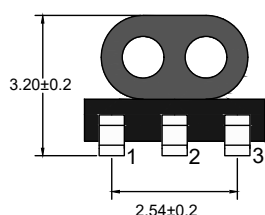
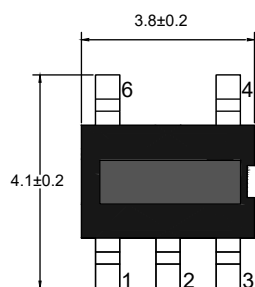
## EBL0009-A004023

2021-02-02 Rev. 0

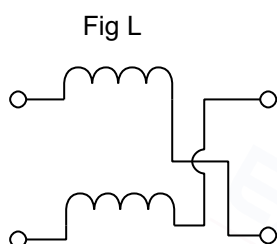


75Ω 1:1 Transmission Line Transformer 5-1250 MHz

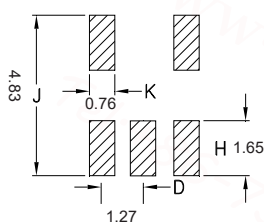
### Outline Drawing(mm)



### Electrical structure



### Recommended layout(mm)



### Pin Connections

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

### Features

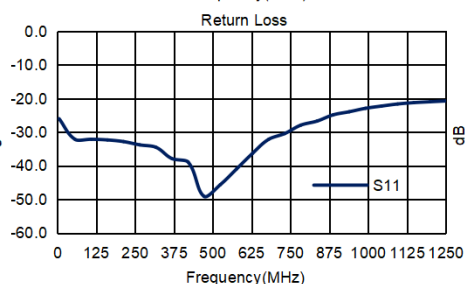
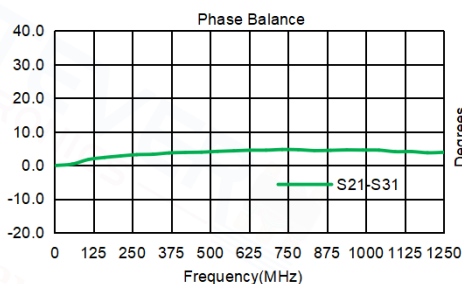
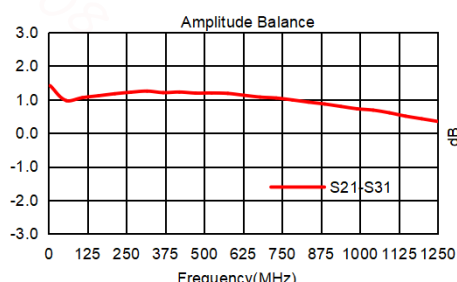
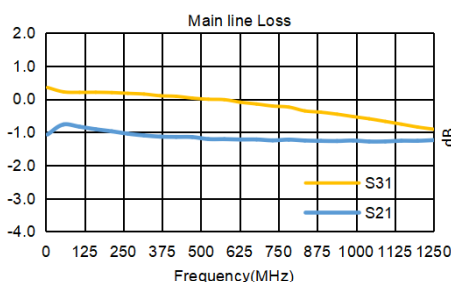
- RF Power, 0.25W
- Operating temperature range: -40℃ to +85℃
- Storage temperature range: -55℃ to +100℃
- 260℃ Reflow Compatible
- RoHS compliant and lead free

### Applications

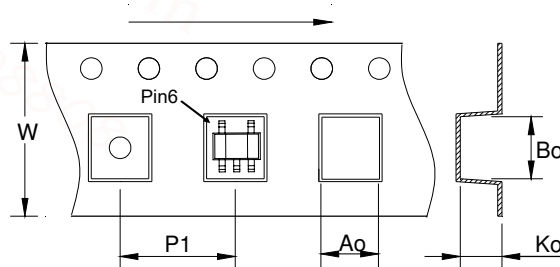
- Impedance matching
- Balanced amplifier
- Balun
- Cellular and VHF

### Electrical Specifications:TA=25℃, 0dBm, Z0=75Ω

| Parameter               | Test Conditions | Units | Min  | Typ  | Max  |
|-------------------------|-----------------|-------|------|------|------|
| Main line Loss (Pin4-3) | 5-1250MHz       | dB    | —    | 1.0  | 1.5  |
| Main line Loss (Pin4-1) | 5-1250MHz       | dB    | —    | 0.8  | 1.3  |
| Amplitude Balance       | 5-1250MHz       | dB    | —    | 1.0  | 1.5  |
| Phase Balance           | 5-1250MHz       | °     | —    | 5.0  | 15.0 |
| Input Return Loss(Pin4) | 5-1250MHz       | dB    | 18.0 | 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    | 8.00  |
| Ao           | mm    | 4.50  |
| Bo           | mm    | 4.50  |
| Ko           | mm    | 3.50  |

