

H2ADT2-1T-1P+



8-600 MHz

1:2CT Flux Coupled Transformer

Features

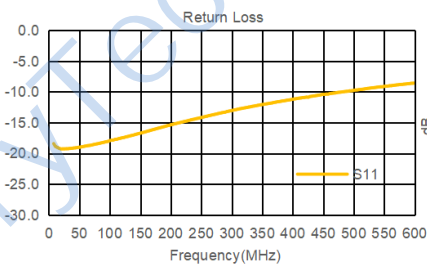
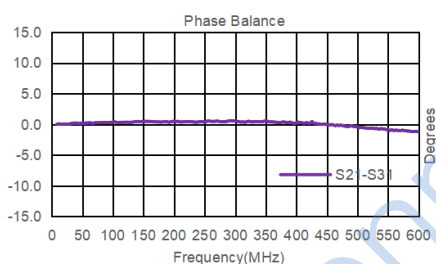
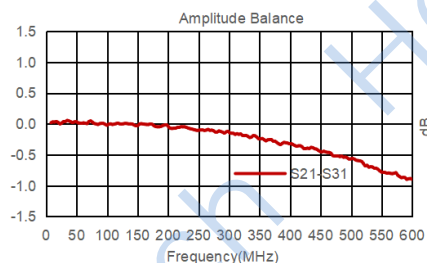
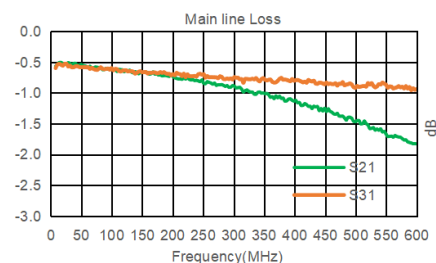
- Excellent Temperature Stability
- RoHS Compliant and Pb Free
- 260°C Reflow Compatible
- Power Input(as a splitter): 1.0W Max
- DC current: 30mA Max
- Operating temperature range: -40 °C to +85 °C
- Storage temperature range: -55 °C to +100 °C

Applications

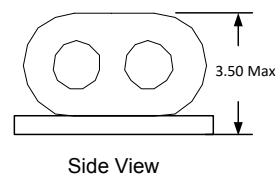
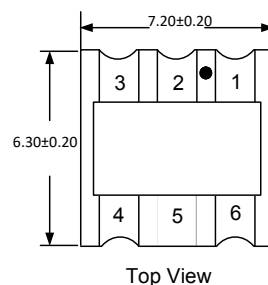
- RF circuits
- Mobile radio
- Satellite TV
- Cordless phones

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

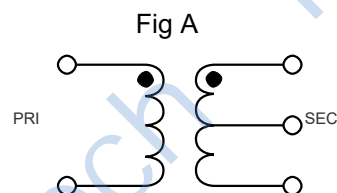
| Parameter | Test Conditions | Units | Min | Typ | Max |
|-----------------------|-----------------|-------|-----|------|------|
| Insertion Loss 1(S21) | 8-600MHz | dB | — | 1.5 | 2.0 |
| Insertion Loss 2(S31) | 8-600MHz | dB | — | 0.8 | 1.5 |
| Amplitude Balance | 8-600MHz | dB | 0.0 | 0.8 | 1.5 |
| Phase Balance | 8-600MHz | ° | 0.0 | 2.0 | 10.0 |
| Return Loss(S11) | 8-600MHz | dB | 6.0 | 15.0 | — |



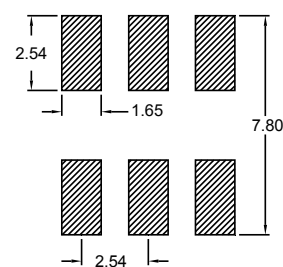
Outline Drawing(mm)



Electrical structure



Recommended layout(mm)



Pin Connections

| Pin no. | Function |
|---------|---------------|
| 1 | Secondary |
| 2 | Ground |
| 3 | Secondary Dot |
| 6 | Primary |
| 4 | Primary Dot |

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