

H2TC1-1T+



0.3-500 MHz

50Ω 1:1 CT Flux Coupled Transformer

Features

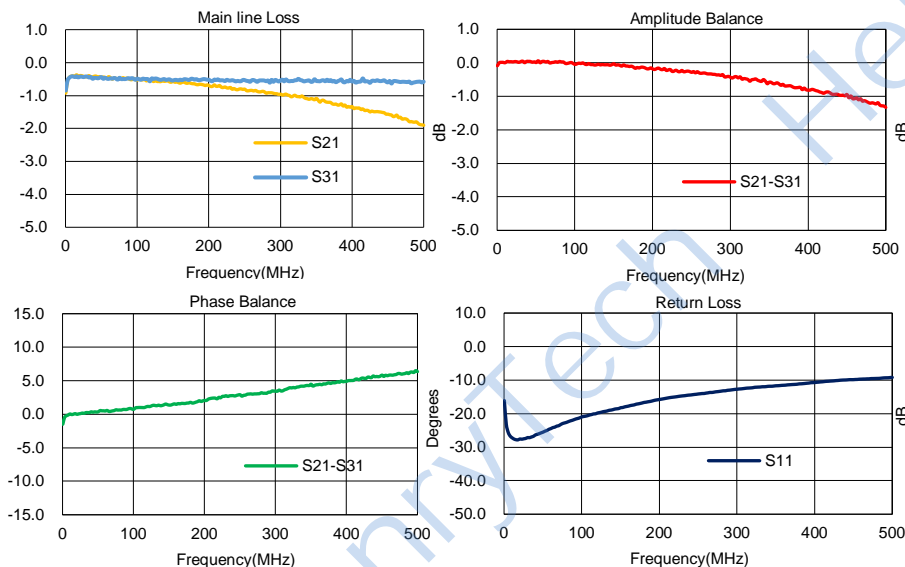
- Operating temperature range: -40°C to +85°C
- Storage temperature range: -55°C to +100°C
- 260°C Reflow Compatible
- RoHS compliant and lead free
- Input Power: 250mW Max
- DC Current: 30mA Max

Applications

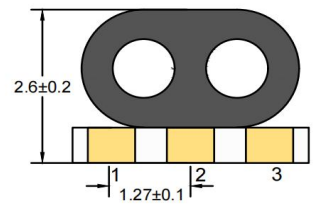
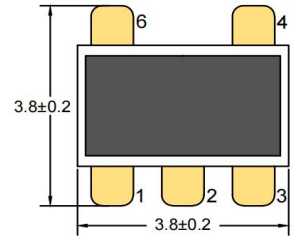
- For Motorola Walkie-talkie.
- For Car Streaming Media Rearview Mirror.
- For Broadband and Wireless Communications.
- For Wireless Microphone & Marine Communications.
- For Ideally Suited LTE, Cellular, UMTS, WiFi, WiMAX.
- For Differential Modulator/demodulator and Active Mixers.

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

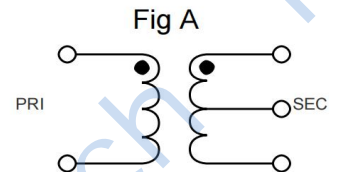
Parameter	Test Conditions	Units	Min	Typ	Max
Main line Loss (S21)	0.3-500MHz	dB	-	2.0	2.5
Main line Loss (S31)	0.3-500MHz	dB	-	0.5	1.0
Amplitude Balance	0.3-500MHz	dB	0.0	1.2	1.5
Phase Balance	0.3-500MHz	°	0.0	8.0	15.0
Input Return Loss(S11)	0.3-500MHz	dB	6.0	10.0	-



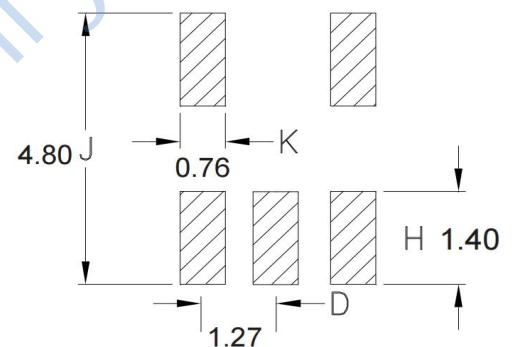
Outline Drawing(mm)



Electrical structure



Recommended layout(mm)



Pin Connections

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