

H2ADT9-1T+



5-250 MHz

50Ω 1:9 CT Flux Coupled Transformer

Features

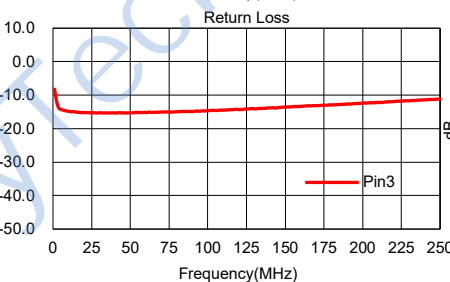
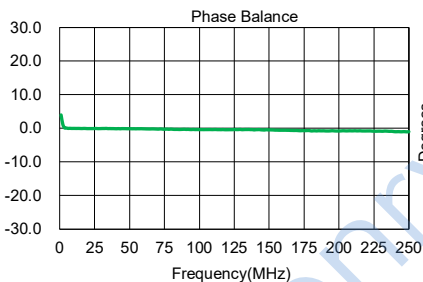
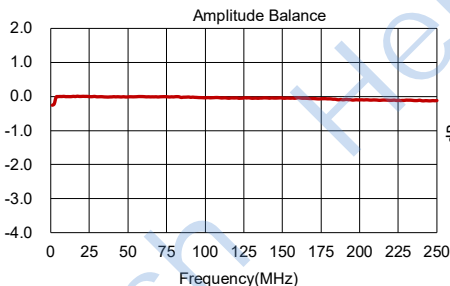
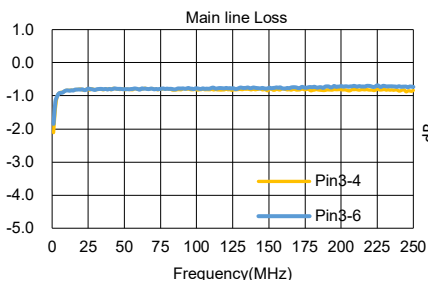
- RF Power, 0.25W
- DC Current, 30mA
- Operating temperature range: -40°C to +85°C
- Storage temperature range: -55°C to +100°C
- 260°C Reflow Compatible
- RoHS compliant and lead free

Applications

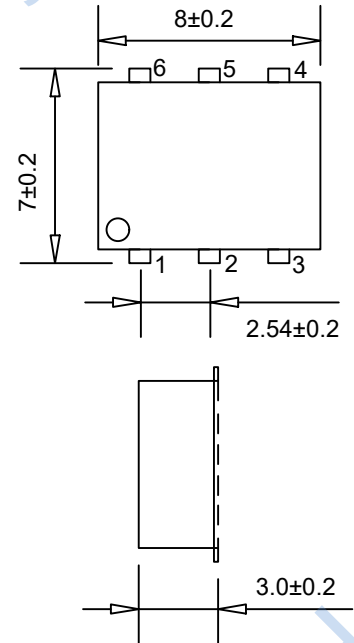
- For Motorola Walkie-talkie.
- For Car Streaming Media Rearview Mirror.
- For Broadband and Wireless Communications.
- For Wireless Microphone & Marine Communications.
- For Ideally Suited LTE, Cellular, UMTS, WiFi, WiMAX.
- For Differential Modulator/demodulator and Active Mixers.

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

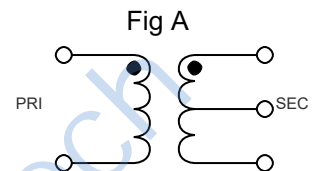
Parameter	Test Conditions	Units	Min	Typ	Max
Main line Loss (Pin3-4)	5-250MHz	dB	—	0.8	1.3
Main line Loss (Pin3-6)	5-250MHz	dB	—	0.8	1.3
Amplitude Balance	5-250MHz	dB	—	0.1	0.5
Phase Balance	5-250MHz	°	—	1.0	2.0
Input Return Loss(Pin3)	5-250MHz	dB	10.0	12.0	—



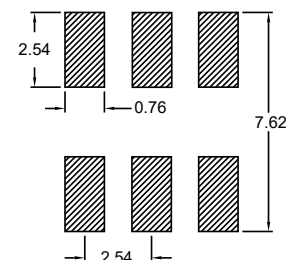
Outline Drawing(mm)



Electrical structure



Recommended layout(mm)



Pin Connections

Input	3
Output 1	4
Output 2	6
Ground	1, 5
Not Used	2