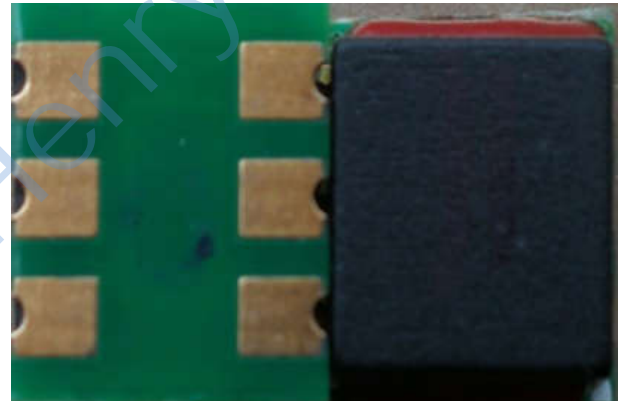


Features:

- ◆ 50Ω Impedance
- ◆ Equivalent to: ADT1-6T
- ◆ Frequency: 0.3 to 125 MHz
- ◆ RF power: 0.50W
- ◆ DC current: 30mA
- ◆ Operating temperature range: -20°C to +85°C
- ◆ Storage temperature range: -55°C to +100°C

H2ADT1-6T



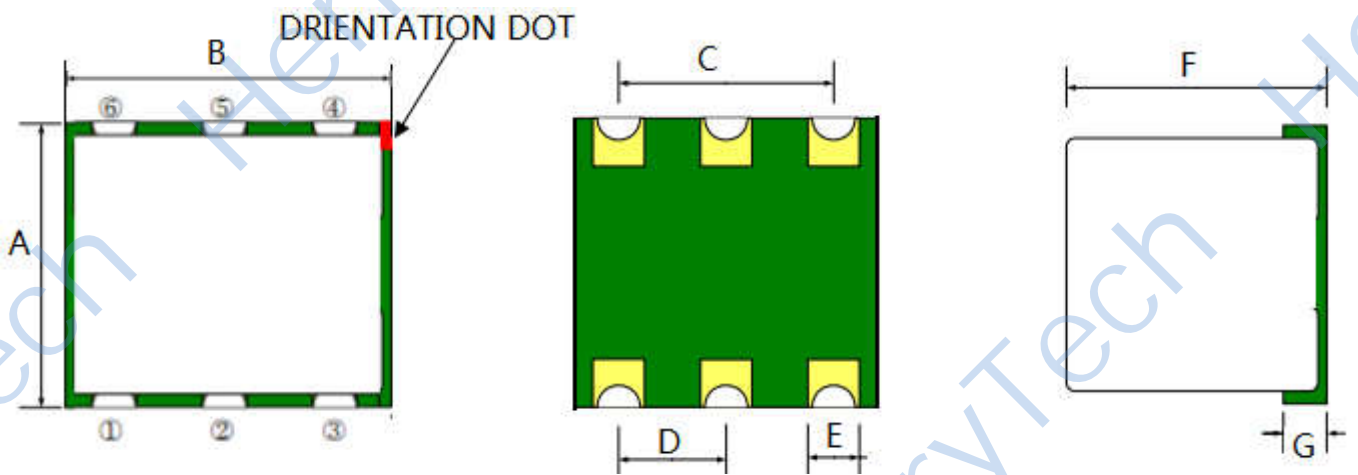
0.3-125MHz

50 1:1CT Flux Coupled Transformer

Applications:

- ◆ For impedance matching
- ◆ For balanced amplifier

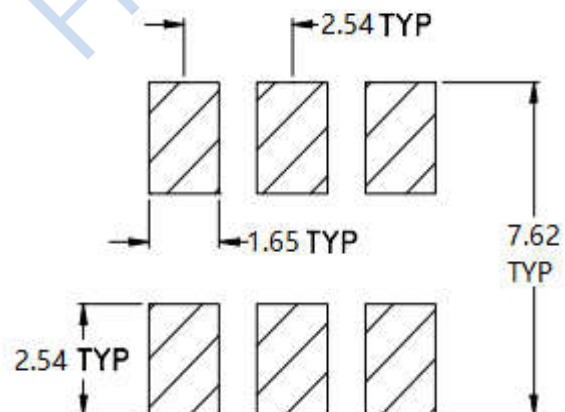
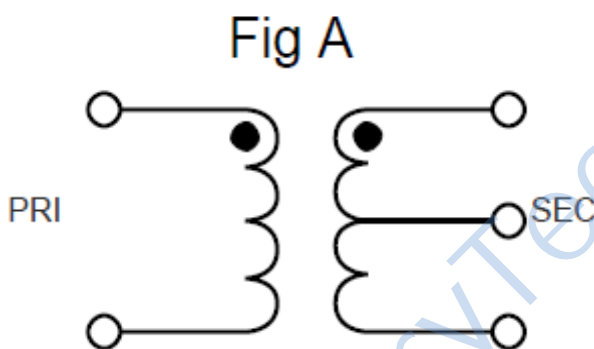
Dimension Diagram (Unit:mm) :



A:7.2±0.2 B:9.0±0.2 C:5.1±0.1 D:2.6±0.1 E:1.6±0.1 F:5.5±0.2 G:0.6±0.1

Electrical structure:

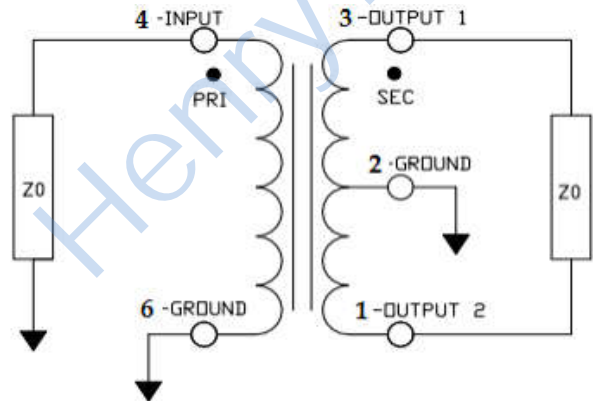
Recommended layout:



Pin configuration:

Application circuit :

Pin No.	Function
1	Output2
2	Ground
3	Output1
4	Input
6	Ground

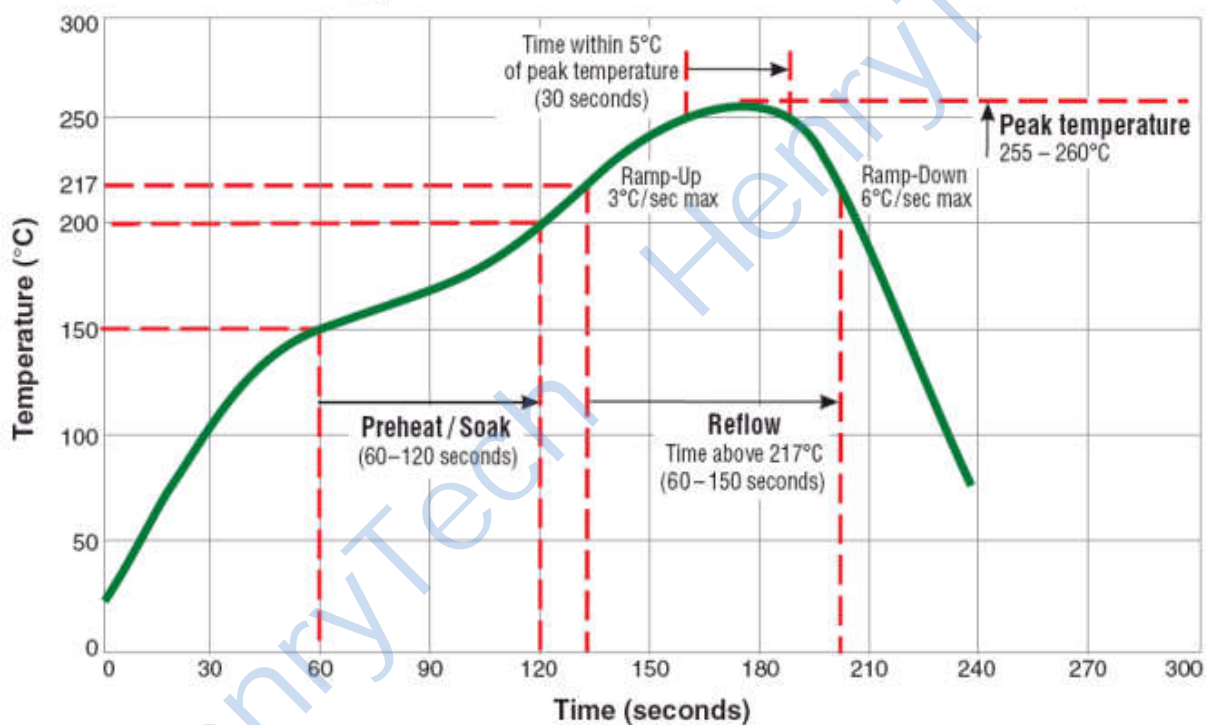


Electrical Specifications: TA=25°C, 0dBm, Z0=50Ω:

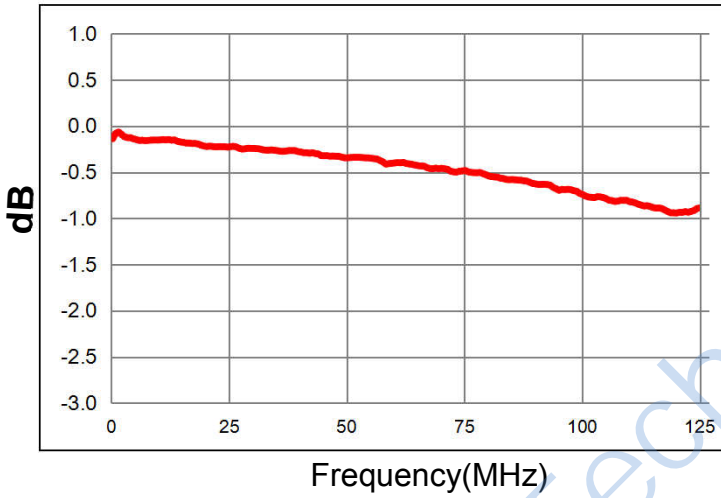
Parameter	Test Conditions	Units	Min	Typ	Max
Main line Loss(out1)	0.3-125MHz	dB	—	0.6	2.5
Main line Loss(out2)	0.3-125MHz	dB	—	0.3	2.0
Amplitude Balance	0.3-125MHz	dB	—	0.2	±0.5
Phase Balance	0.3-125MHz	Degrees	—	5.0	±10.0
Input Return Loss	0.3-125MHz	dB	6.0	25.0	—

Recommended Soldering Temperature Graph:

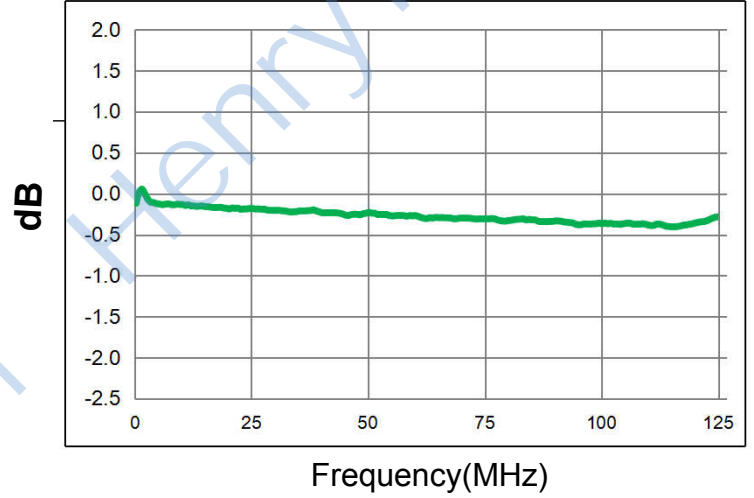
Typical RoHS Reflow Profile



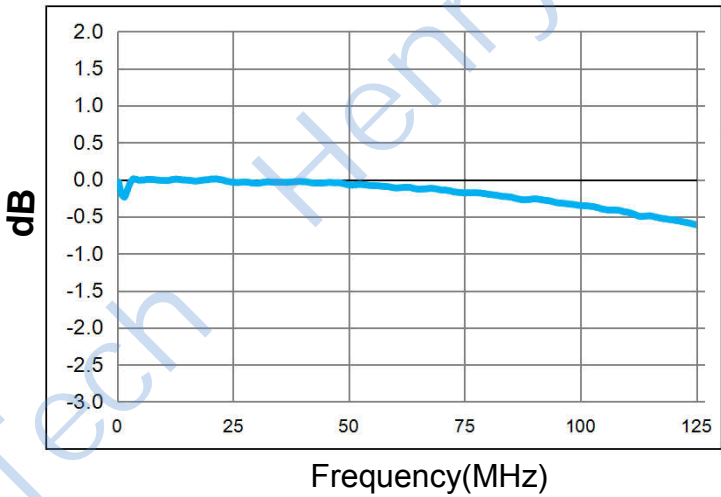
Main line Loss(out1)



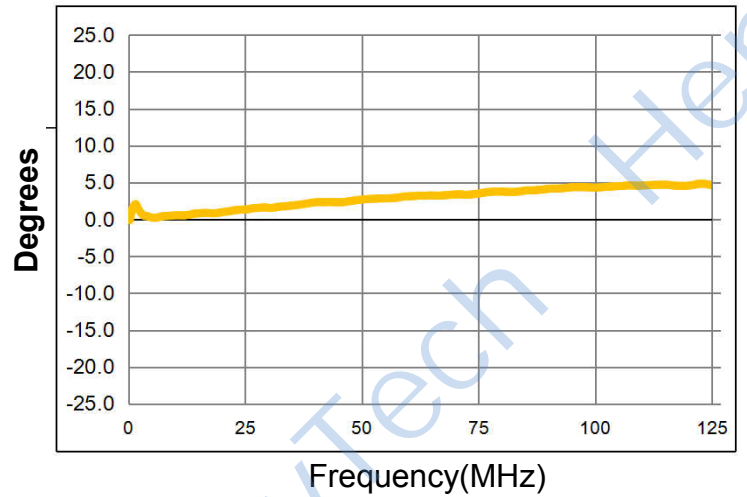
Main line Loss(out2)



Amplitude Balance



Phase Balance



Input Return Loss

