

Features:

- ◆ 1: 4CT Impedance
- ◆ 50Ω Impedance
- ◆ Frequency: 3 to 900 MHz
- ◆ RF power: 0.50W
- ◆ DC current: 30mA
- ◆ Good return loss
- ◆ Operating temperature range: -40°C to +85°C
- ◆ Storage temperature range: -55°C to +125°C

H2MABAES0061



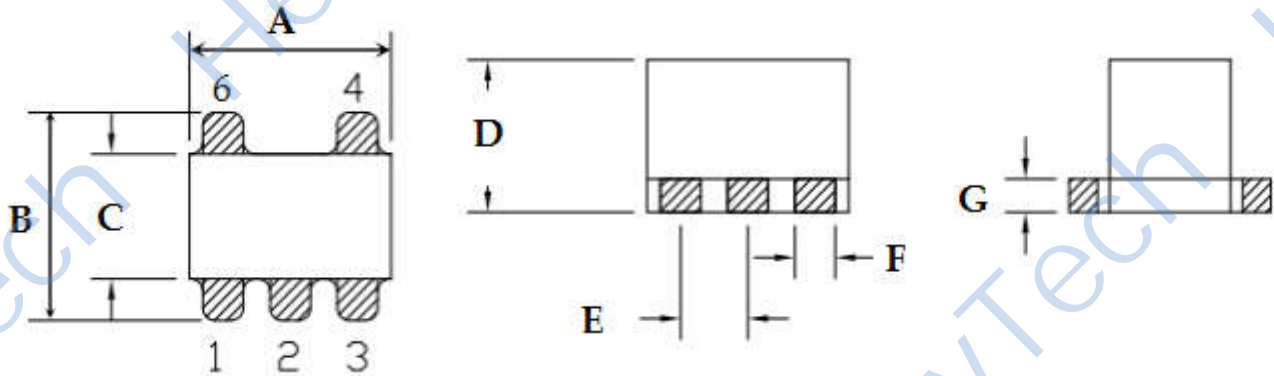
3-900MHz

50 1: 4CT Flux Coupled Transformer

Applications:

- ◆ For impedance matching
- ◆ For VHF/UHF receivers/transmitters and push-pull amplifiers

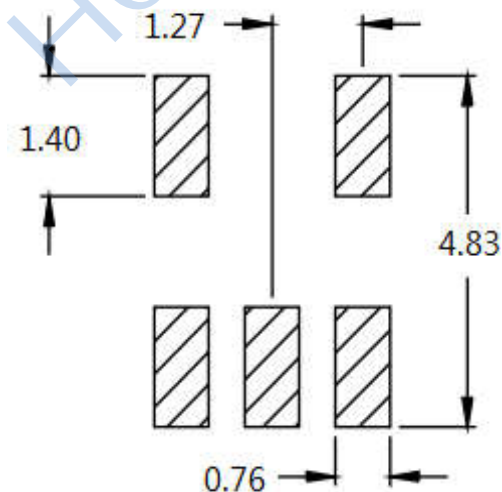
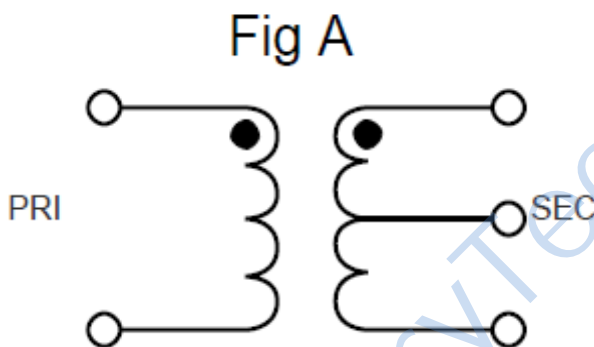
Dimension Diagram (Unit:mm) :



A=3.80±0.20 B=3.80±0.20 C=2.30±0.20 D=2.80±0.20 E=1.27±0.10 F=0.76±0.10 G=0.60±0.10

Electrical structure:

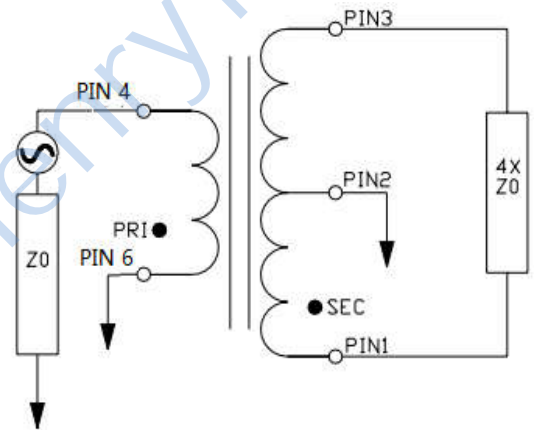
Recommended layout:



Pin configuration:

Pin No.	Function
1	Secondary (Output 2)
2	Centre tap (Ground)
3	Secondary dot (Output 1)
4	Primary dot (Input)
6	Primary (Ground)

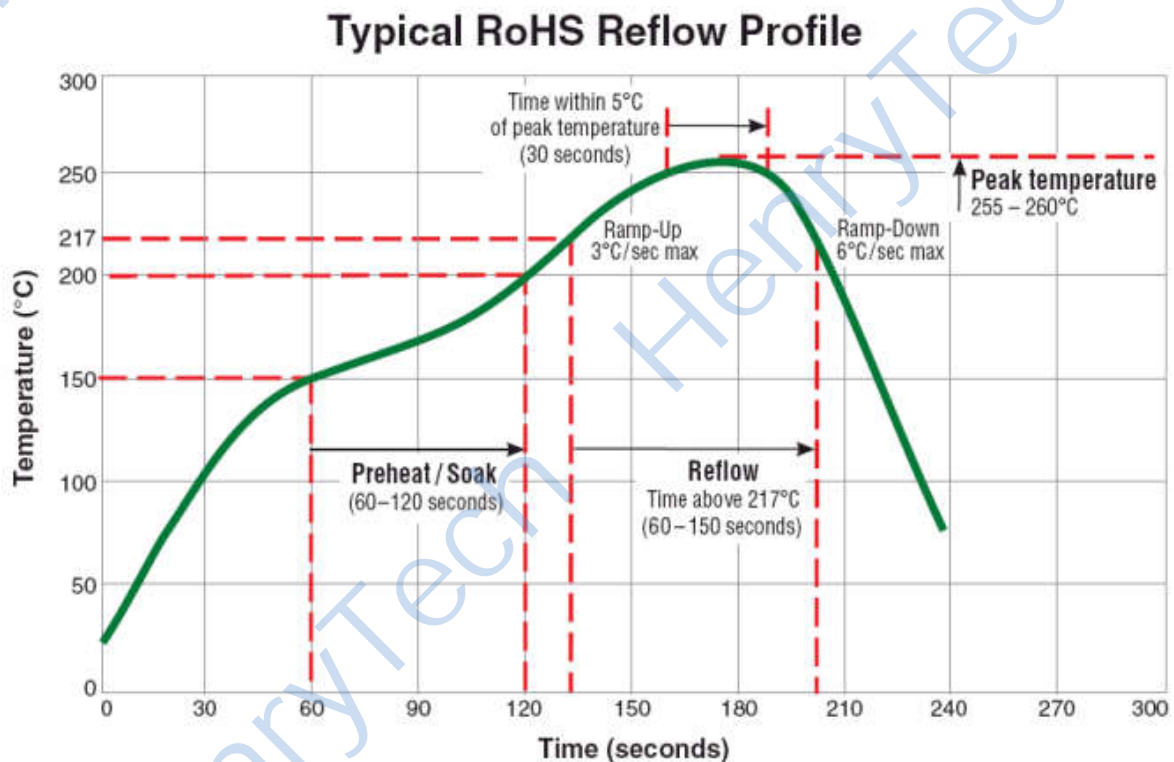
Application circuit :



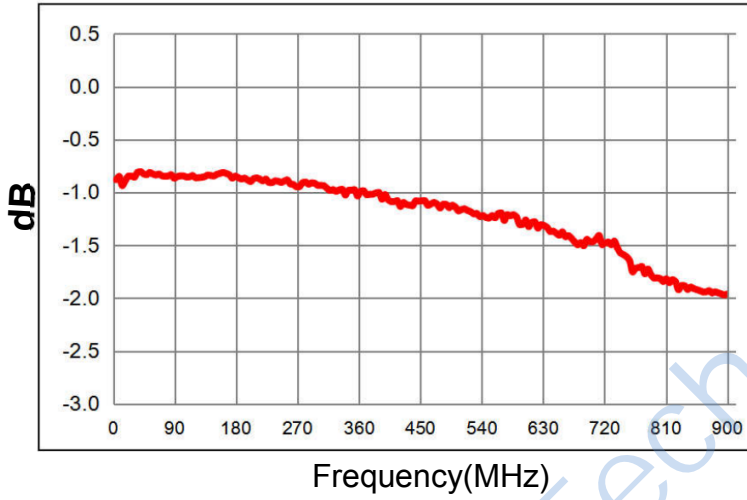
Electrical Specifications: TA=25°C, 0dBm, Z0=50Ω:

Parameter	Test Conditions	Units	Min	Typ	Max
Main line Loss(out1)	3-900MHz	dB	—	1.00	3.00
Main line Loss(out2)	3-900MHz	dB	—	0.80	3.00
Amplitude Balance	3-900MHz	dB	—	±0.50	±1.00
Phase Balance	3-900MHz	Degrees	—	±5.00	±10.00
Input Return Loss	3-900MHz	dB	10.00	20.00	—

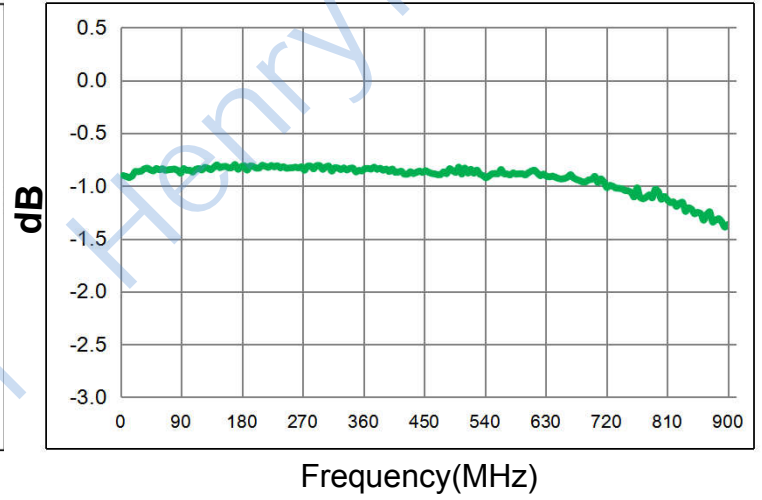
Recommended Soldering Temperature Graph:



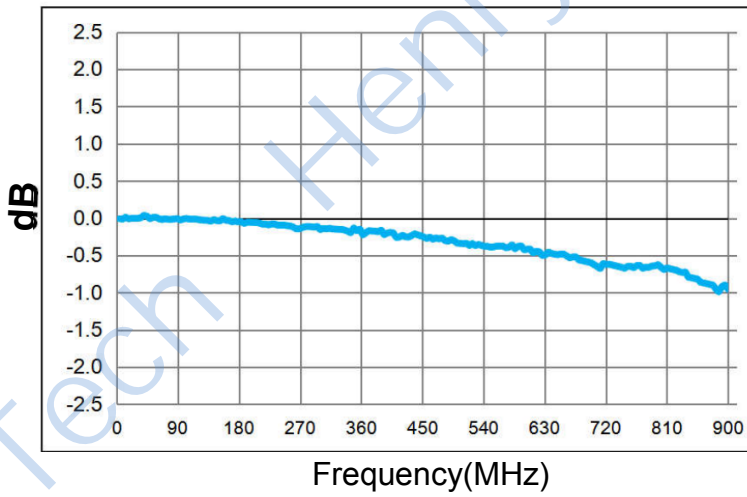
Main line Loss(out1)



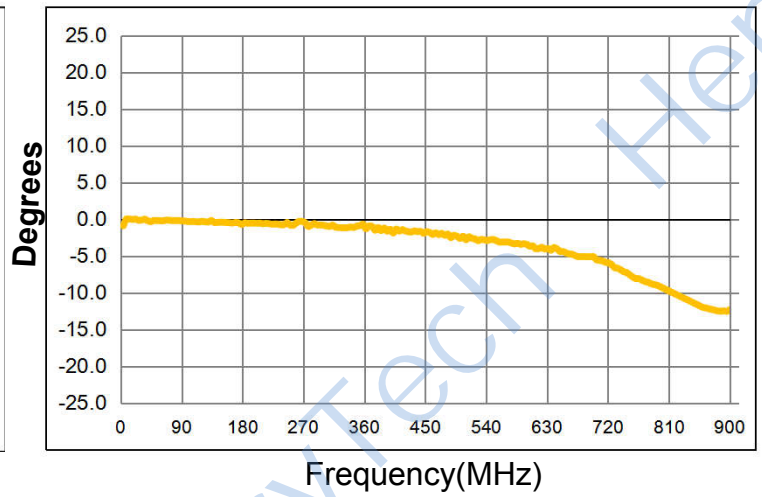
Main line Loss(out2)



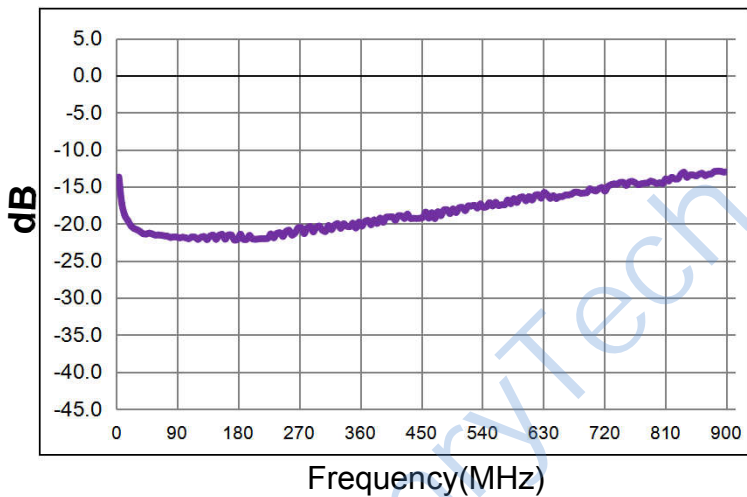
Amplitude Balance



Phase Balance



Input Return Loss



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