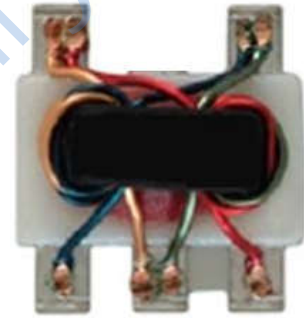


Features::

- ◆ 1: 4 Impedance
- ◆ 50Ω Impedance
- ◆ Frequency: 10to1900 MHz
- ◆ RF power: 0.25W
- ◆ DC current: 30mA
- ◆ Operating temperature range: -40℃ to +85℃
- ◆ Storage temperature range: -55℃ to +100℃

H2TC4-19+



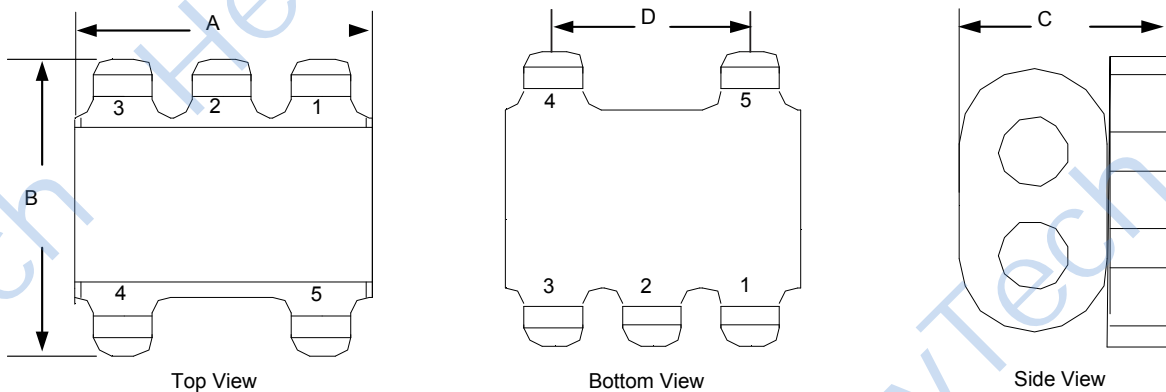
10-1900MHz

50 1: 4CT Flux Coupled Transformer

Applications:

- ◆ For broadband and wireless communications
- ◆ For VHF/UHF receivers/transmitters and push-pull amplifiers

Dimension Diagram (Unit:mm) :



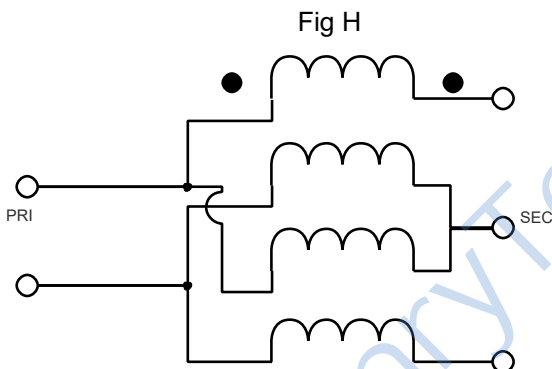
$A=3.80\pm0.20$

$B=3.80\pm0.20$

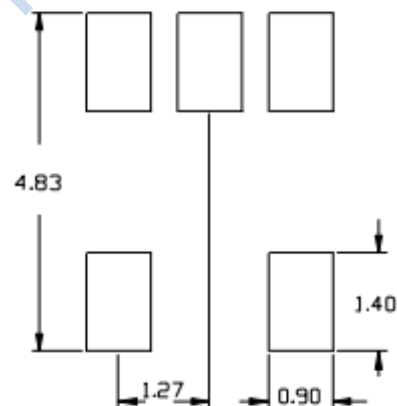
$C=2.80\pm0.20$

$D=2.54\pm0.10$

Electrical structure:



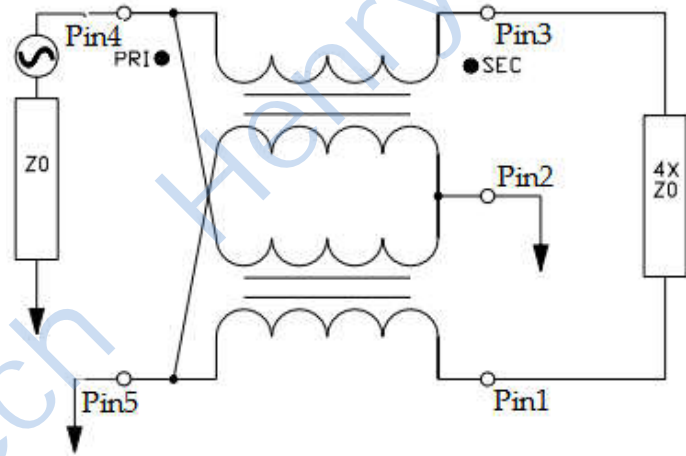
Recommended layout:



Pin configuration:

Application circuit :

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

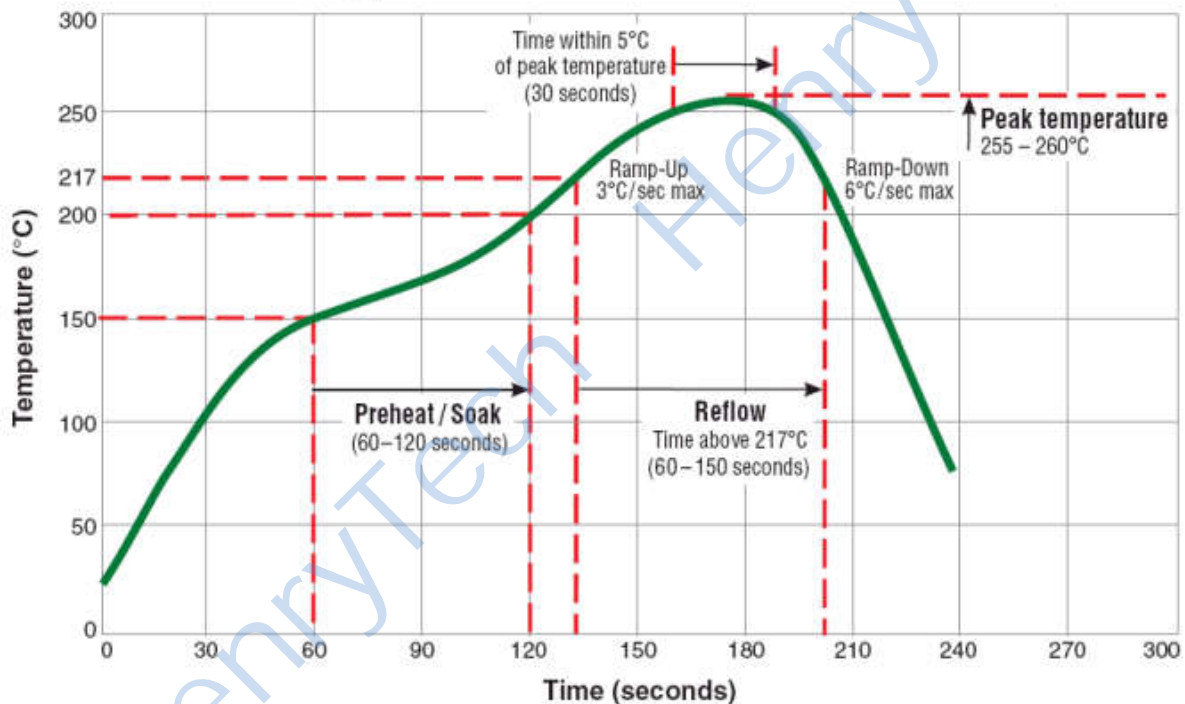


Electrical Specifications: TA=25°C, 0dBm, Z0=50Ω:

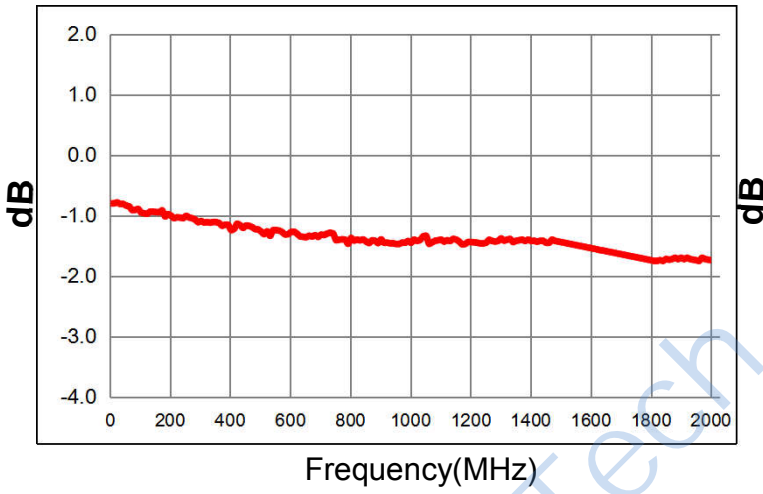
Parameter	Test Conditions	Units	Min	Typ	Max
Main line Loss(out1)	10-1900MHz	dB	—	1.40	3.50
Main line Loss(out2)	10-1900MHz	dB	—	1.60	3.50
Amplitude Balance	10-1900MHz	dB	—	±0.20	±1.00
Phase Balance	10-1900MHz	Degrees	—	±10.0	±10.0
Input Return Loss	10-1900MHz	dB	5.00	6.50	—

Recommended Soldering Temperature Graph:

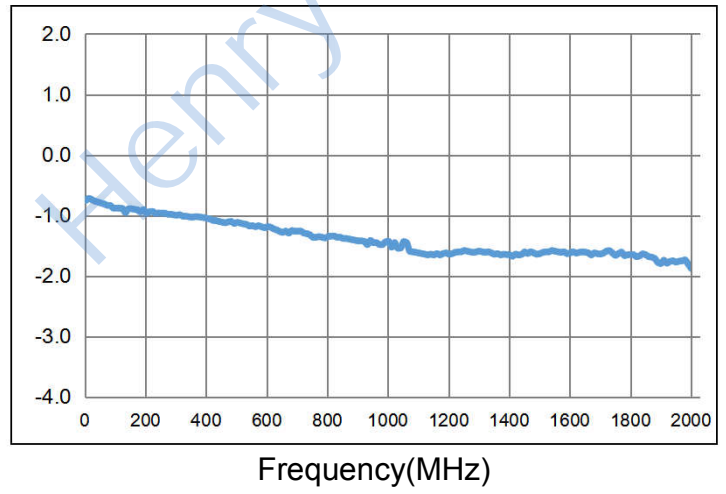
Typical RoHS Reflow Profile



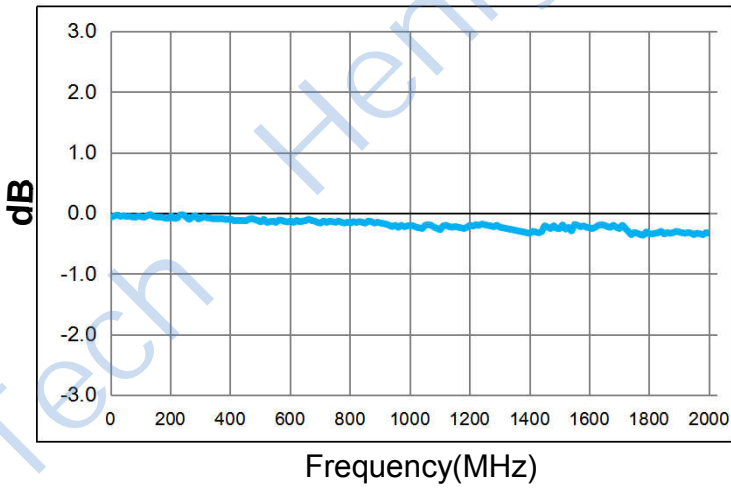
Main line Loss(out1)



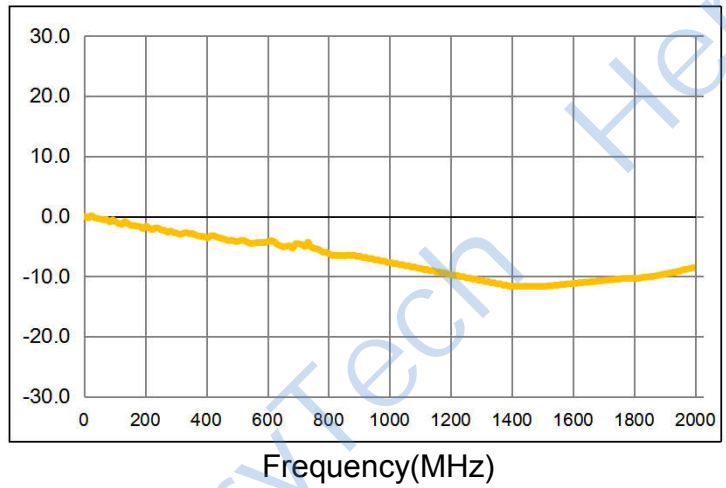
Main line Loss(out2)



Amplitude Balance



Phase Balance



Input Return Loss

