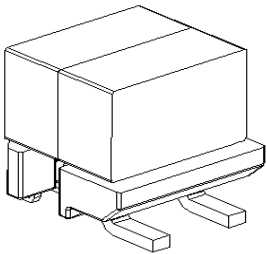


REACH & RoHS
COMPLIANT

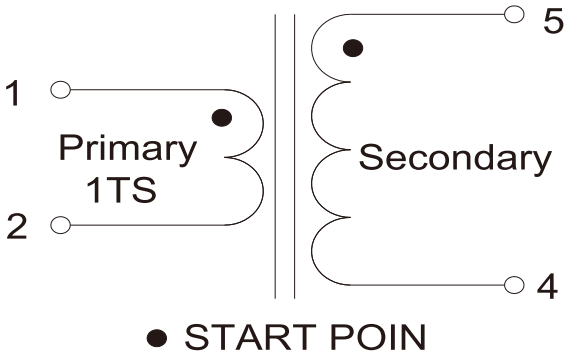
1 Features And Benefits

- Very low primary resistance.
- Sensed current up to 40 Amps.
- Small SMD package.
- Operating temperature range -40 °C to 125 °C.
- Switch-mode power supplies.
- Feedback control.
- Overload sensing.
- Load drop/shut down detection.
- RoHS Compliant

2 Electrical Specifications @ 25°C



3 Schematics



Part Number	Secondary Inductance (mH)	Current Rating (A)	Turns Ratio	DCR (mΩ)		Hipot (V _{AC})
				Max	Max	
				Primary	Secondary	
				1-2	5-4	
WHPT-EP100-016	1.7	40	1:50	0.5	1500	3750
WHPT-EP100-017	3.0	40	1:70	0.5	2100	3750
WHPT-EP100-018	7.0	40	1:100	0.5	3100	3750
WHPT-EP100-019	11.0	40	1:125	0.5	4000	3750
WHPT-EP100-021	25.0	40	1:180	0.5	9000	3750
WHPT-EP100-020	32.0	40	1:200	0.5	10400	3750

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Su Zhou Voohu Electronic Tech.Co.Ltd

TEL: +86 400 1048 018

WEB: WWW.WOHU-TEK.COM

TITLE:
SMT Current Sense Transformers

PART NO.:
WHPT-EP100-019

REMARK:
50K---500 kHz Available

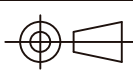
SIZE
A4

SACLE
1:1

SHEET
1/4

UNITS
MM[INCH]

REV
A0



GENERAL TOLERANCES
UNLESS SPECIFIED

x±0.35	x°±3.0°
.x±0.30	.x°±2.0°
.xx±0.25	.xx°±1.5°
.xxx±0.10	.xxx°±1.0°

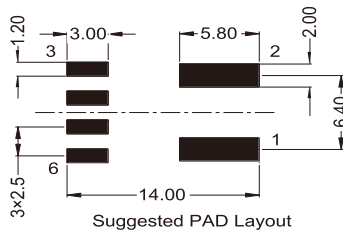
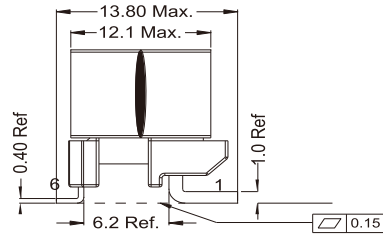
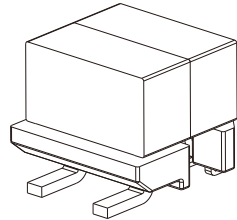
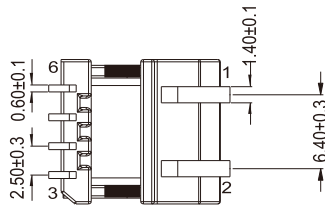
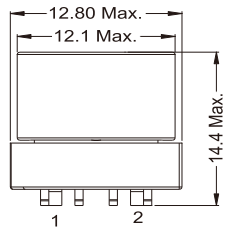
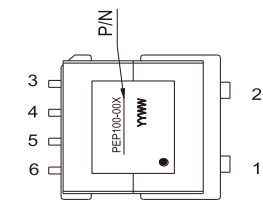
APPROVED BY:
Geoffrey.Song

CHECKED BY:
Elvis.Song

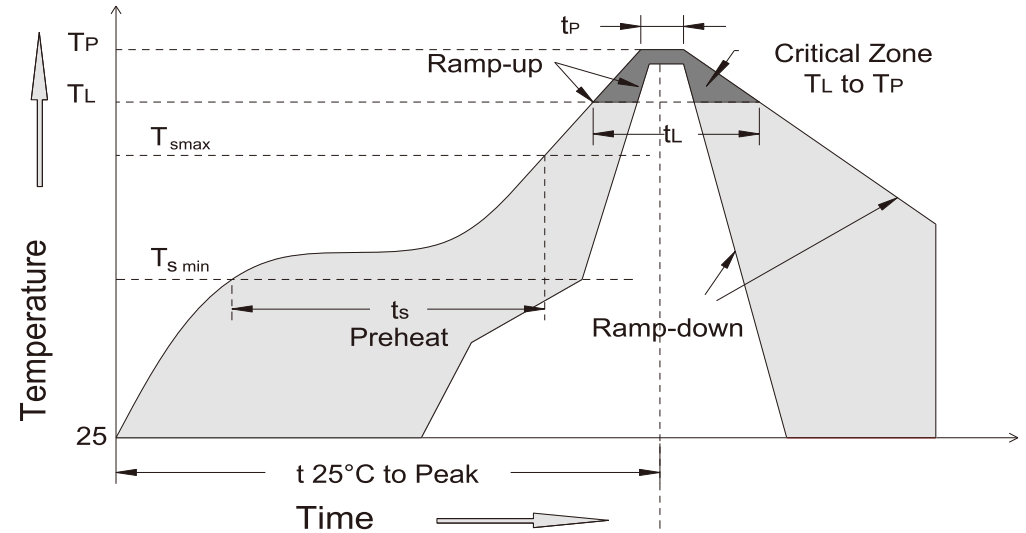
DESIGND BY:
Sunny.Xu

REACH & RoHS
COMPLIANT

4 Dimensions (mm)& recommend layout



5 Recommended Reflow Profile



MSL:

Grade: 1 level. Floor life: 0.5 year Condition: $\leq 30^{\circ}\text{C}/60\%\text{RH}$.

Ramp up rate= $3^{\circ}\text{C}/\text{s}$ max Ramp down rate= $6^{\circ}\text{C}/\text{s}$ max

$T_L=217^{\circ}\text{C}$ $t_L=60\text{s}-150\text{s}$ $T_P=250\pm 3^{\circ}\text{C}$ Time within 5°C of actual Peak Temperature (t_P): $20\sim 40\text{s}$

$T_{s\text{ min}}=150^{\circ}\text{C}$ $T_{s\text{ max}}=200^{\circ}\text{C}$ $T_{s\text{ min}}$ to $T_{s\text{ max}}$: $60\text{s}-180\text{s}$, 25°C to peak Temperature: 8minutes max

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Su Zhou Voohu Electronic Tech.Co.Ltd

TITLE:
SMT Current Sense Transformers

SIZE
A4

UNITS
MM[INCH]

GENERAL TOLERANCES
UNLESS SPECIFIED

APPROVED BY:
Geoffrey.Song

PART NO.:
WHPT-EP100-019

SACLE
1:1

REV
A0

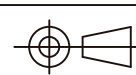
$x\pm 0.35$
 $.x\pm 0.30$

$x^{\circ}\pm 3.0^{\circ}$
 $.x^{\circ}\pm 2.0^{\circ}$

CHECKED BY:
Elvis.Song

REMARK:
50K---500 kHz Available

SHEET
2/4



$.xx\pm 0.25$
 $.xxx\pm 0.10$

$.xx^{\circ}\pm 1.5^{\circ}$
 $.xxx^{\circ}\pm 1.0^{\circ}$

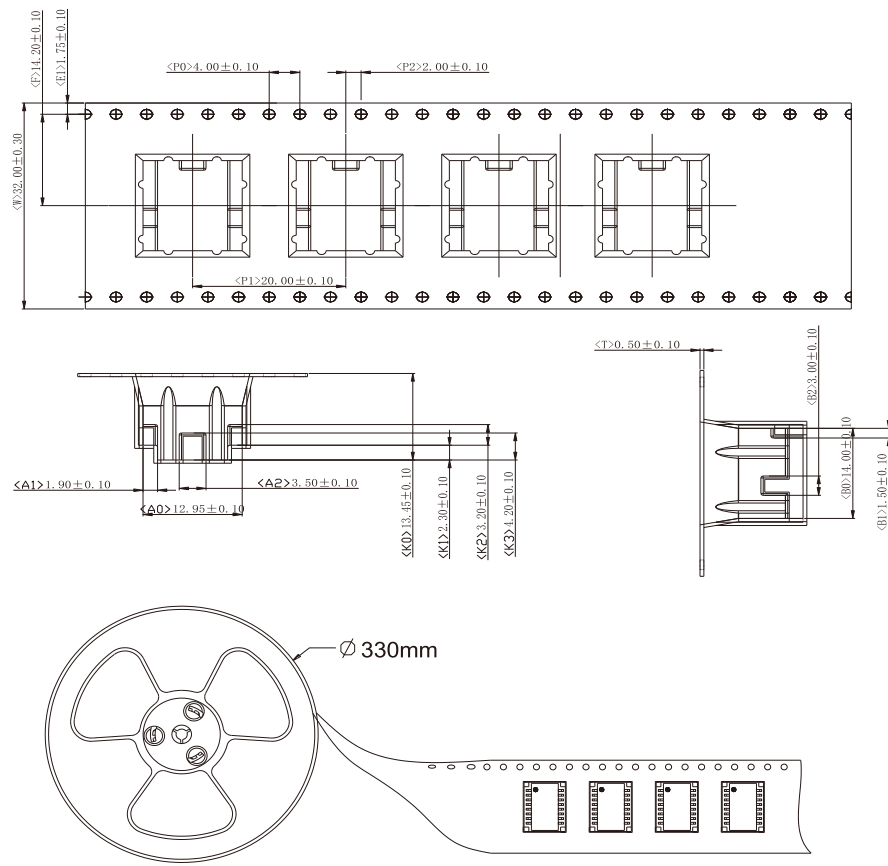
DESIGND BY:
Sunny.Xu

TEL: +86 400 1048 018

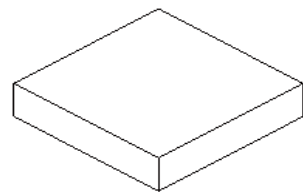
WEB: WWW.WOHU-TEK.COM

REACH & RoHS
COMPLIANT

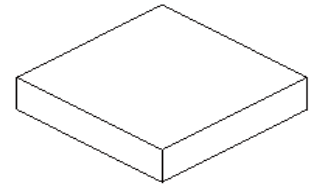
6 Packaging specification



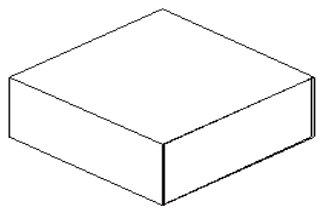
Two Reel



Two Inner Carton



Inner Carton



Export Carton

Package Quantity:
One Reel=200 Pcs
One Inner Carton=200*2=400 Pcs
One Export Carton=400*2=800 Pcs



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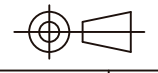
SIZE
A4

SACLE
1:1

SHEET
3/4

UNITS
MM[INCH]

REV
A0



GENERAL TOLERANCES UNLESS SPECIFIED	
x±0.35	x°±3.0°
.x±0.30	.x°±2.0°
.xx±0.25	.xx°±1.5°
.xxx±0.10	.xxx°±1.0°

APPROVED BY:
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