

Specification for Approval

产品承认书

Customer:

Customer P/N:

VOOHU P/N:

WHPT-EE050 Series

Version No.:

V0.1

Description:

SMT Current Sense Transformers

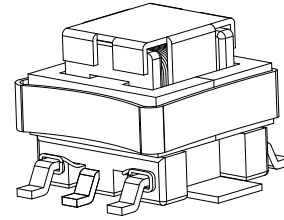
50K---1 MHz Available

SUZHOU VOOHU Company Approval		Customer Approval (客户承认签章)
DRAWN	Geoffrey.Song	
CHECKED	Sunny.Xu	
APPROVED	Elvis. Song	
日期DATE:2025/11/20		日期DATE: 2025/11/20

Please Return One Copy to Us After Approved,TKs! (承认后请回寄一份,谢谢)

1 Features And Benefits

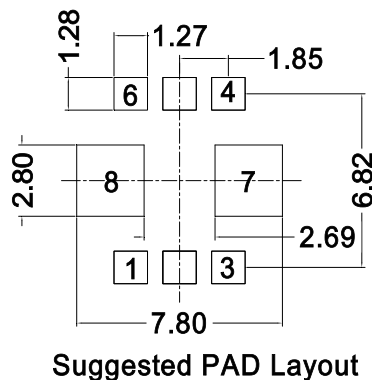
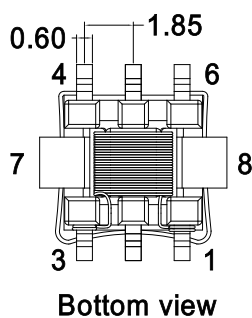
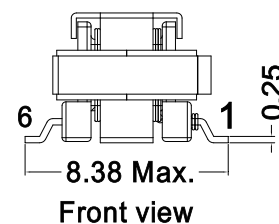
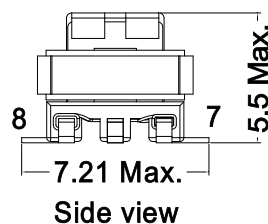
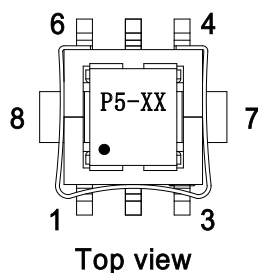
- Very low DC resistance.
- Different turns ratios.
- Small SMD package.
- Operating temperature range -40 °C to 125 °C.
- Switching power supplies.
- Feedback control.
- Overload sensing.
- Load drop/shut down detection.
- RoHS Compliant



2 Electrical Specifications @ 25°C

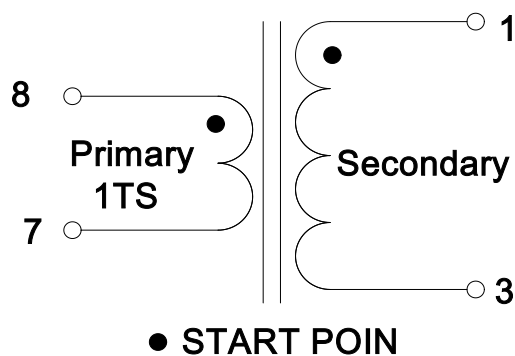
Part Number	Secondary Inductance (μH)	Current Rating (A)	Turns Ratio	DCR (mΩ)		Hipot (V _{DC})
				Max	Max	
				Primary	Secondary	
				8-7	1-3	
WHPT-EE050-003	80	20	1:20	0.75	400	1000
WHPT-EE050-004	180	20	1:30	0.75	870	1000
WHPT-EE050-005	320	20	1:40	0.75	1140	1000
WHPT-EE050-006	500	20	1:50	0.75	1500	1000
WHPT-EE050-007	720	20	1:60	0.75	1980	1000
WHPT-EE050-008	980	20	1:70	0.75	3000	1000
WHPT-EE050-009	2000	20	1:100	0.75	5500	1000
WHPT-EE050-010	3000	20	1:125	0.75	6500	1000
WHPT-EE050-011	8000	20	1:200	0.75	33240	1000

3 Dimensions (mm)& recommend layout

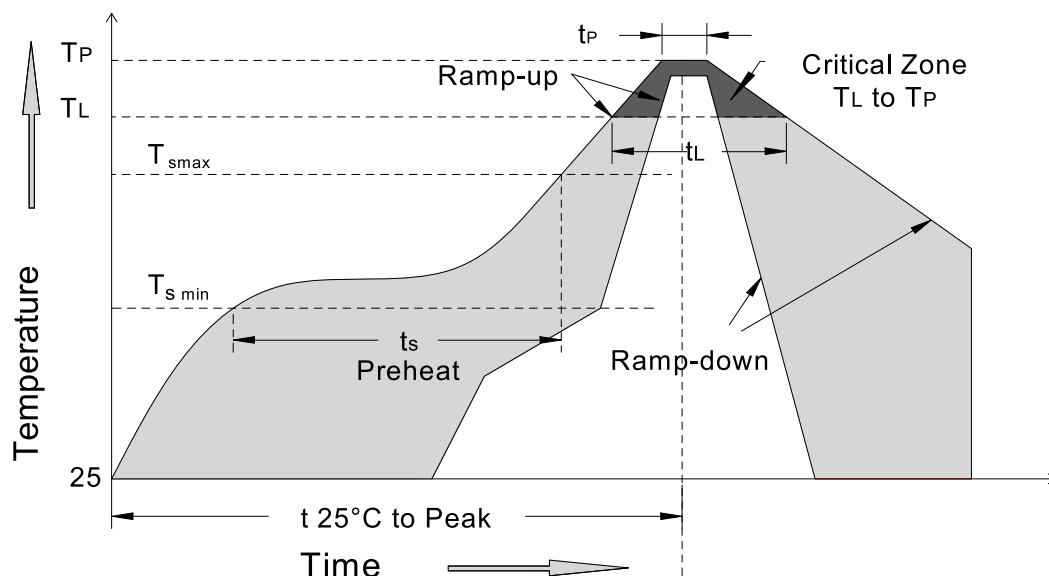


DESCRIPTION	PART NO.	REV:R0
Current Transformers	WHPT-EE050 Series	PAGE:2/4

4 Schematics



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

TL= 217°C tL=60s-150s Tp= $250\pm 3^{\circ}\text{C}$ Time within 5°C of actual Peak Temperature

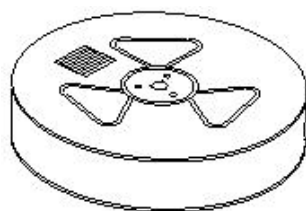
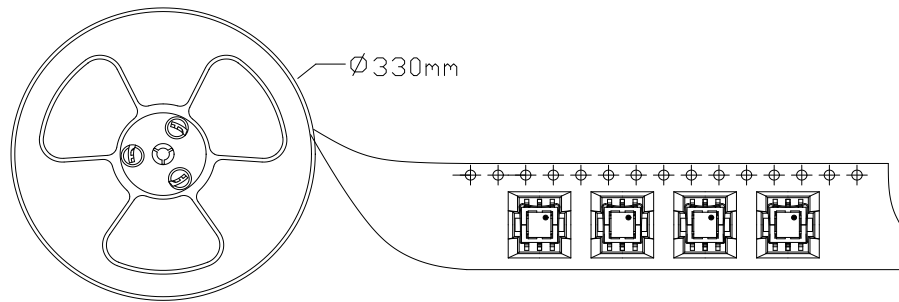
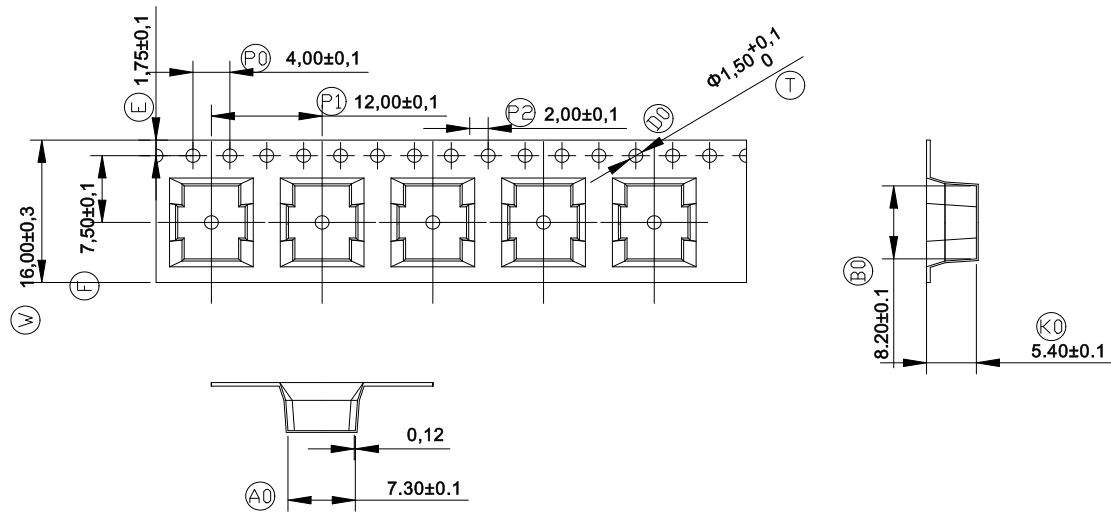
(tp): 20~40s

Ts min= 150°C Ts max= 200°C Ts min to Ts max: 60s-180s, 25°C to peak Temperature:

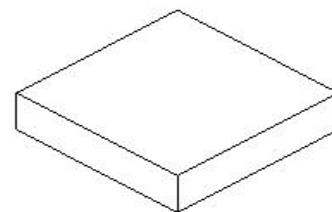
8minutes max

DESCRIPTION	PART NO.	REV:R0
Current Transformers	WHPT-EE050 Series	PAGE:3/4

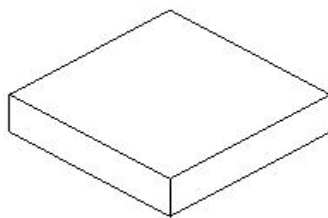
6 Packaging specification



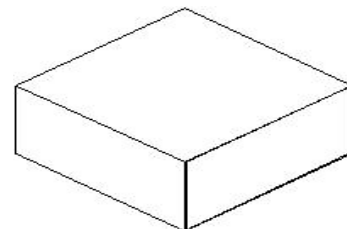
Four Reel



Inner Carton



Two Inner Carton



Export Carton

Package Quantity:
 One Reel=850 Pcs
 One Inner Carton=850*4=3400 Pcs
 One Export Carton=3400*2=6800 Pcs

DESCRIPTION	PART NO.	REV:R0
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