

Specification for Approval

产品承认书

Customer:

Customer P/N:

VOOHU P/N:

WHST06Q02E0

Version No.:

V0.1

Description:

Transformer

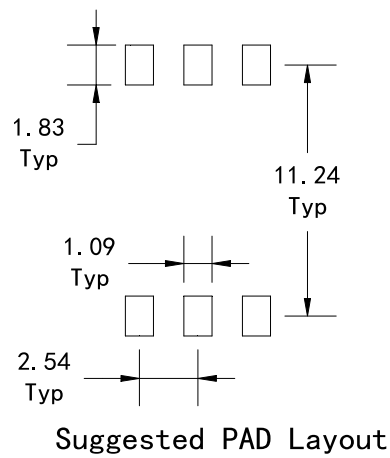
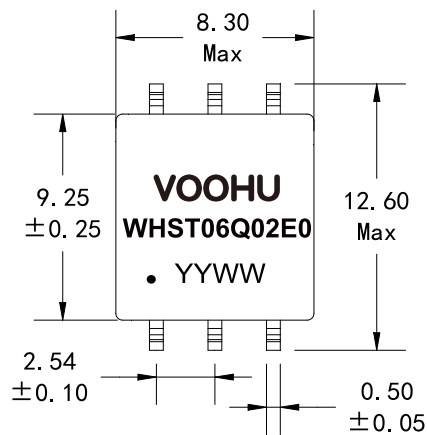
SUZHOU VOOHU Company Approval		Customer Approval (客户承认签章)
DRAWN	Geoffrey.Song	
CHECKED	Sunny.Xu	
APPROVED	Elvis. Song	
日期DATE:2026/05/28		日期DATE: 2026/05/28

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

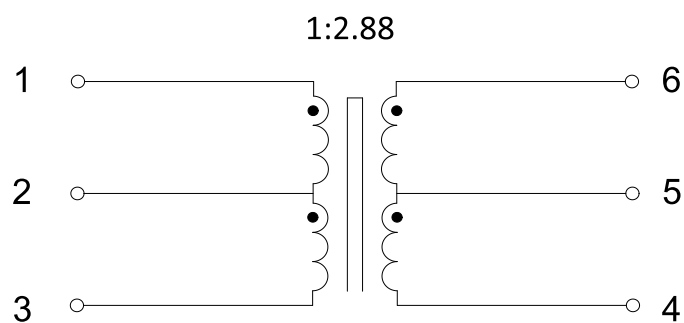
[illegible]

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Transformer	WHST06Q02E0	PAGE:1/4

A. MECHANICAL(unit:mm)



B. SCHEMATICS



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C. ELECTRICAL SPECIFICATIONS @25°C

Unless Otherwise Specified, Testing is Performed at 25°C ± 5°C

1. OCL(1-3): 86uH Min @10KHz, 10mV
2. Leakage Inductance: 0.2uH Typ @ 100KHz, 0.1V
3. DCR: (1-2,2-3) 100mΩ Max
(6-4) 500mΩ Max
4. Turns Ratio(1-3:6-4)=1CT:2.88CT±3%
5. Isolation Hipot: 2500VAC 1mA 1s
6. Voltage-Time: 15Vus
7. Operating temperature -40°C to +125°C
8. Storage Temperature(Without Package, Just For Components): -40°C to +125°C
9. RoHS compliant.

Typical Application:

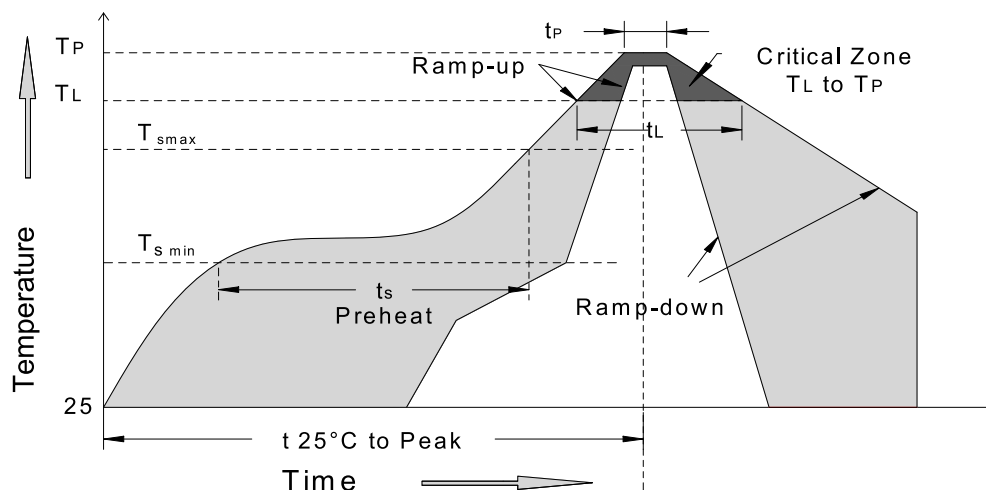
Properties		Value	Unit
Input Voltage	V_{in}	5	V (DC)
Output Voltage 1	V_{Out1}	12	V
Output Current 1	I_{Out1}	460	mA
Switching Frequency	f_{switch}	400	kHz

Input: N1 / N2

Output 1: N3 / N4

Table shows a typical application. Values may vary by application.

D. RECOMMEND REFLOW SOLDERING CURVE



MSL:

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

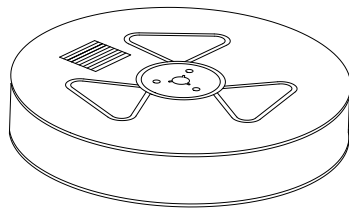
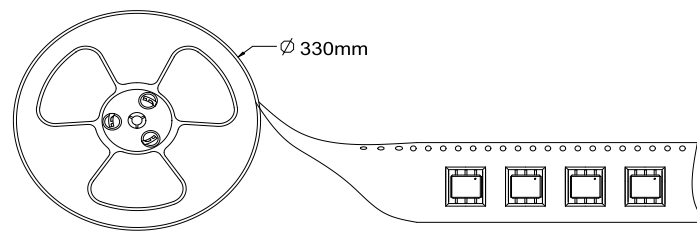
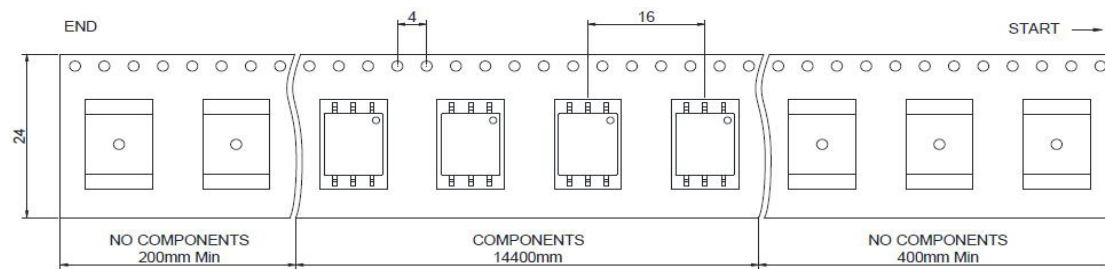
Ramp up rate=3°C/s max Ramp down rate=6°C/s max

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

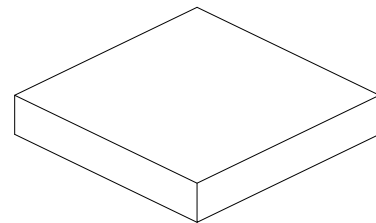
$T_{s\ min}=150^\circ C$ $T_{s\ max}=200^\circ C$ $T_{s\ min\ to\ T_{s\ max}}$: 60s-180s, 25°C to peak Temperature: 8minutes max

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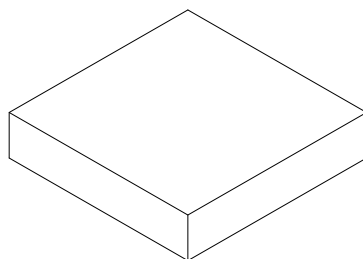
E. PACKAGE INFORMATION



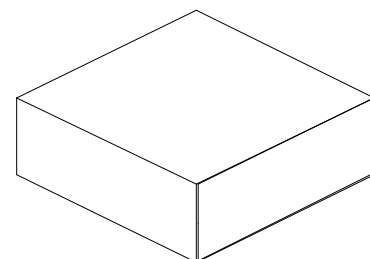
Two Reel



Inner Carton



Three Inner Carton



Export Carton

Package Quantity:

One Reel=900Pcs

One Inner Carton=900*2=1800Pcs

One Export Carton=1800*3=5400Pcs

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