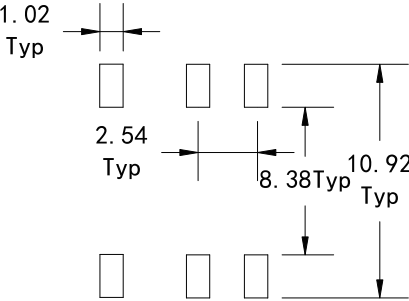
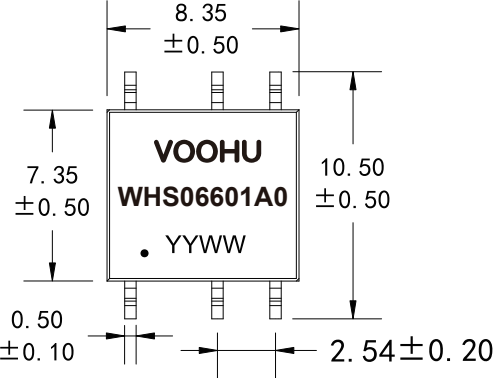
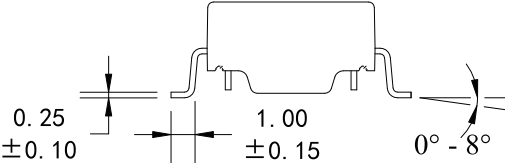
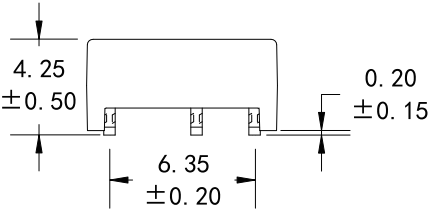


REACH & RoHS
COMPLIANT

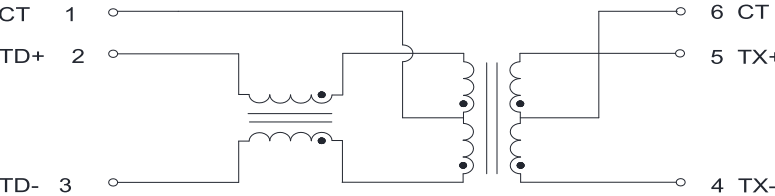
A. MECHANICAL(unit:mm)



Suggested PAD Layout



B. Schematics



VOOHU 苏州沃虎电子科技有限公司
Su Zhou Voohu Electronic Tech.Co.Ltd

TEL: +86 400 1048 018

WEB: WWW.WOHU-TEK.COM

TITLE:
Transformer

PART NO.:
WHS06601A0

REMARK: BMS Application
Meet AEC-Q200 Standard

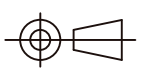
SIZE
A4

SACLE
1:1

SHEET
1/2

UNITS
MM[INCH]

REV
A0



GENERAL TOLERANCES
UNLESS SPECIFIED

x±0.35
.x±0.30

.xx±0.25
.xxx±0.10

x°±3.0°
.x°±2.0°

.xx°±1.5°
.xxx°±1.0°

APPROVED BY:
Geoffrey.Song

CHECKED BY:
Elvis.Song

DESIGND BY:
Sunny.Xu

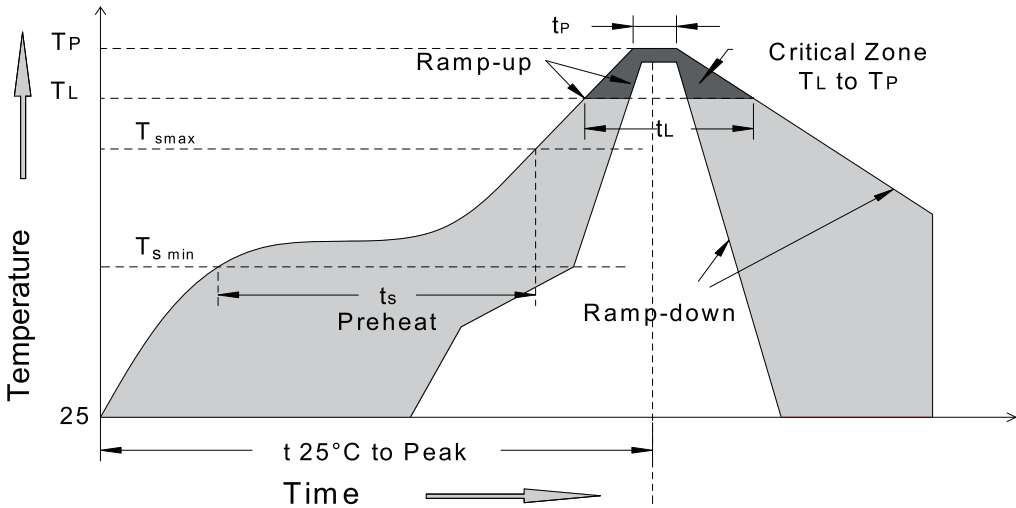
REACH & RoHS
COMPLIANT

C. ELECTRICAL SPECIFICATIONS @25°C

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

1. OCL: 300 uH Min @ 100 KHz, 0.1V
2. Leakage Inductance: 0.5uH Max @ 100KHz, 0.1V
3. DCR: (5 to 4) 650mΩ Max
(2 to 3) 950mΩ Max
4. Turns Ratio: 1CT:1CT±5%
5. Insertion Loss: -0.5 dB Max @ 4 MHz
6. Return Loss: -20 dB Min @ 4 MHz
7. Common Mode Rejection: -35 dB Min @ 1-100 MHz
8. Isolation Hipot: 3700VAC 1mA 2s or 4300VDC 1mA 60s
9. Operating temperature -40°C to +125°C
10. Storage temperature -40°C to +125°C
11. Qualification: Meet AEC-Q200

D. RECOMMEND WAVE SOLDERING CURVE



MSL:

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

Ramp up rate= 3°C/s max Ramp down rate= 6°C/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): 20~40s

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

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Geoffrey.Song

PART NO.:
WHS06601A0

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:
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REMARK: BMS Application
Meet AEC-Q200 Standard

SHEET
2/2



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

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

DESIGND BY:
Sunny.Xu