Specification for Approval
产品承认书

Customer:	
Customer P/N:	
VOOHU P/N:	WHST06Y01A0
Version No.:	V0.1
Description:	Transformer Meet AEC-Q200 Standard
	BMS Application

SUZHOU VOOHU Company Approval		**Customer Approval (客户承认签章)**
DRAWN	Geoffrey.Song	
CHECKED	Sunny.Xu	
APPROVED	Elvis. Song	
日期DATE:2025/8/22		日期DATE: 2025/8/22

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

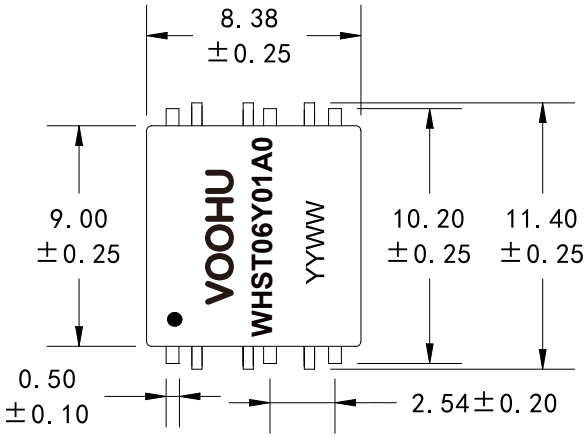
VOOHU 沃虎 选沃虎 · 真靠谱
苏州沃虎电子科技有限公司
SuZhou Voohu Electronic Tech.Co.,Ltd

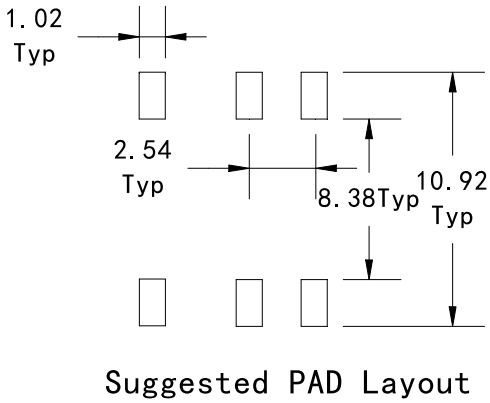
地址：江苏省苏州市吴江区开平商务中心G栋13楼
ADD：Building A, Alpha Building, Wujiang District,
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Revision History

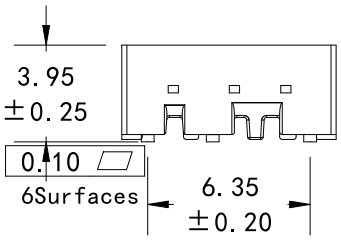
Revision	Changed Date	Request By	Change Content
V0.1	2025/08/22	Leo	New Version Release

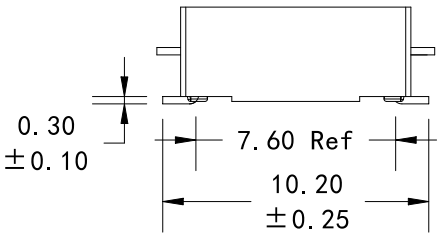
A. MECHANICAL(unit:mm)



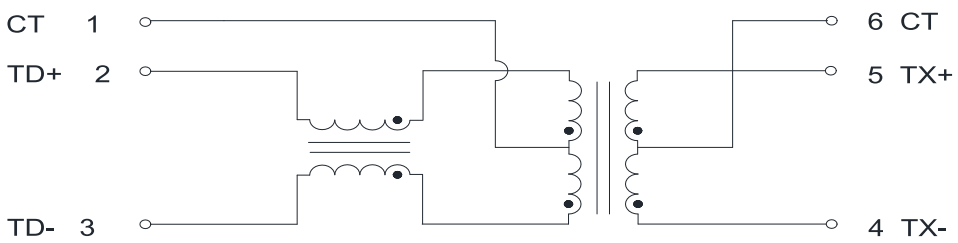


Suggested PAD Layout





B. Schematics

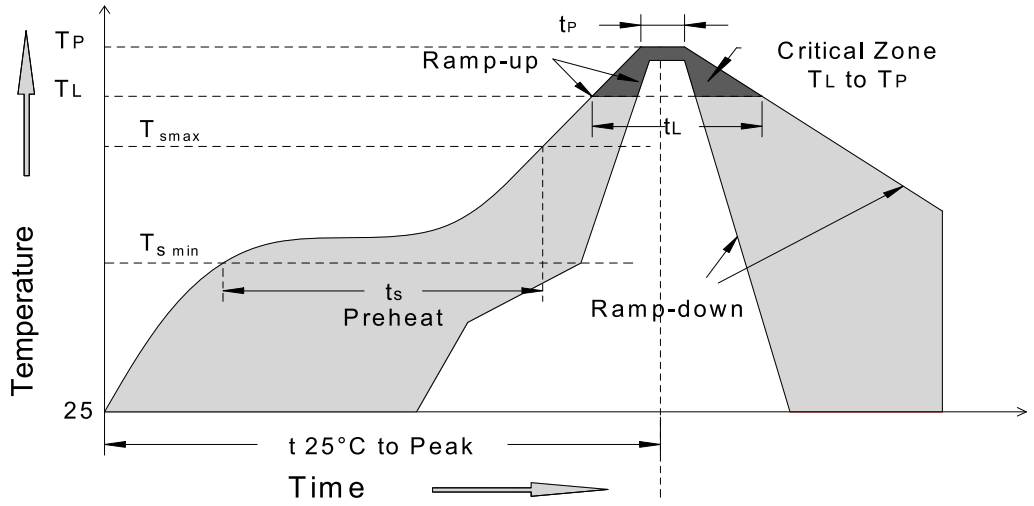


C. ELECTRICAL SPECIFICATIONS @25℃

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: -1.0 dB Max @ 1-80 MHz
   -3.0 dB Max @ 125 MHz
6. Return Loss: -16 dB Min @ 1-30 MHz
   -12 dB Min @ 30-60 MHz
   -10 dB Min @ 60-80 MHz
7. Common Mode Rejection: -30 dB Min @ 1-100 MHz
8. Isolation Hipot: 3700VAC 1mA 2s or 4300VDC 1mA 60s
9. Operating temperature -40℃ to +125℃
10. Storage Temperature(With Package): +10℃ to +40℃
11. Storage Temperature(Without Package, Just For Components): -40℃ to +125℃
12. Qualification： Meet AEC-Q200

D. RECOMMEND REFLOW SOLDERING CURVE



MSL:
Grade: 1 level. Floor life: 0.5 year Condition:</=30°C/60%RH.
Ramp up rate=3°C/s max Ramp down rate=6°C/s max
TL=217°C tL=60s-150s Tp=250+/-3°C Time within ±3°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