

APPROVED SHEET

CUSTOMER: _____

CUSTOMER P/N: _____

JWD P/N: _____

S06A01BA

REV: _____

R2

DESCRIPTION: _____

Transformer

Meet AEC-Q200 Standard

BMS Application

1CT: 1CT

CUSTOMER APPROVAL		COMPANY APPROVAL	
INSPECTED BY:		ISSUED BY:	Bob
CHECKED BY:		CHECKED BY:	
APPROVED BY:		APPROVED BY:	
APPROVED DATE:		ISSUED DATE:	2023/12/22

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



四川经纬达科技集团有限公司

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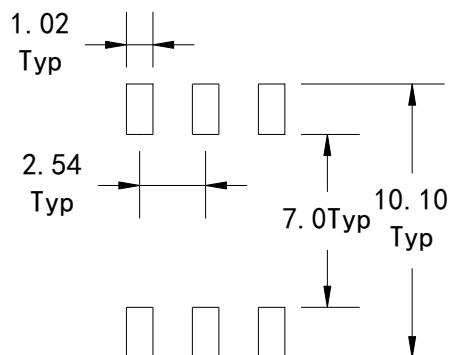
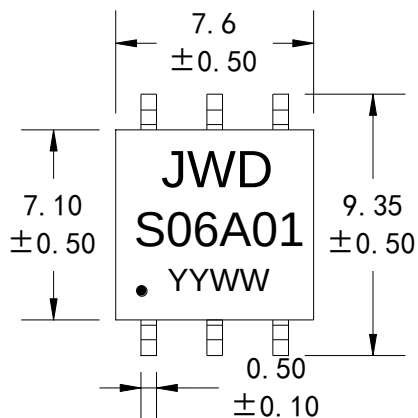
WEB: www.myjwd.com



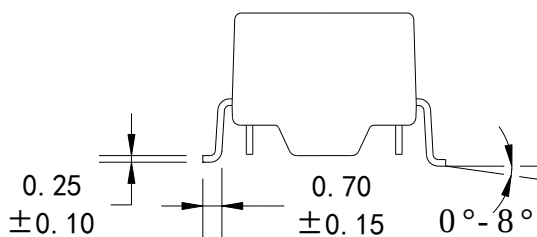
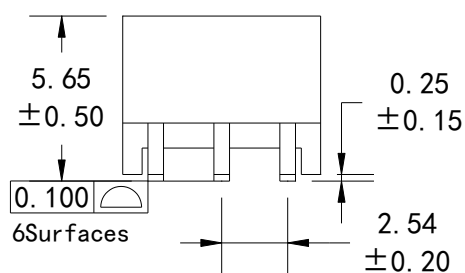
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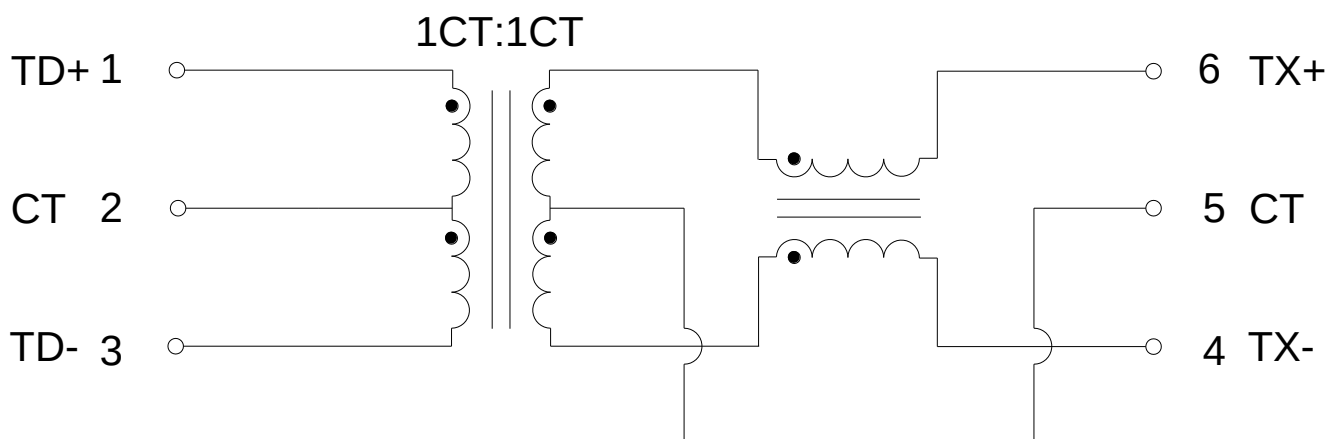
A. MECHANICAL(unit:mm)



Suggested PAD Layout



B. SCHEMATICS



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C. ELECTRICAL SPECIFICATIONS @25°C

1. OCL: 150 uH Min @ 100 KHz, 0.1V
2. Leakage Inductance: 0.5uH Max @ 100KHz, 0.1V
3. DCR: (1 to 3) 450mΩ Max
(6 to 4) 850mΩ 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: 4300VDC 1mA 60s
9. Moisture Sensitivity Level-1
10. ESD Classification (HBM): N/A
11. Functional insulation, Working Voltage:1000 VDC
12. Qualification: Meet AEC-Q200
13. Operating temperature -40°C to +125°C
14. Storage Temperature(With Package): +10°C to +40°C
15. Storage Temperature(Without Package, Just For Components): -40°C to +125°C
16. RoHS Compliant
17. Qualification: Meet AEC-Q200

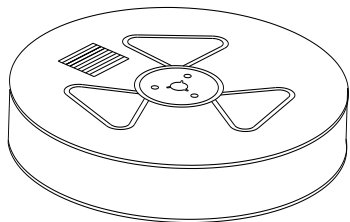
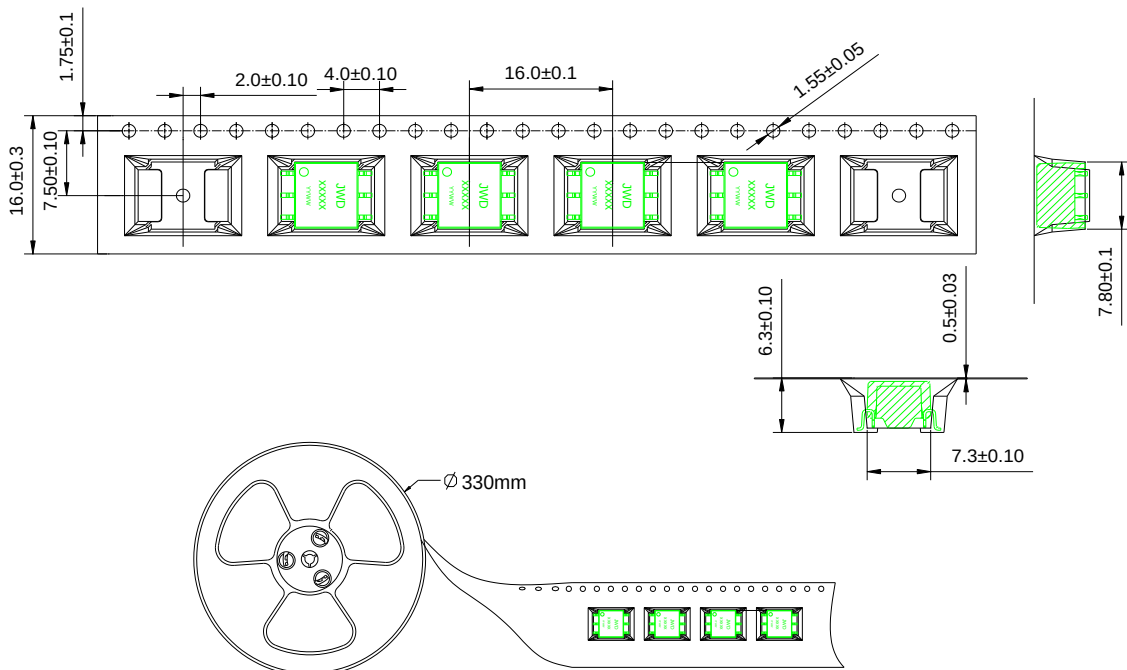
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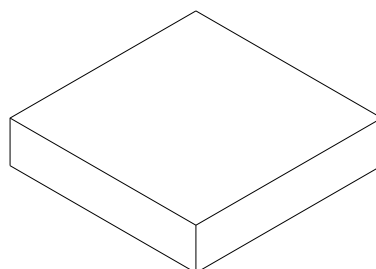
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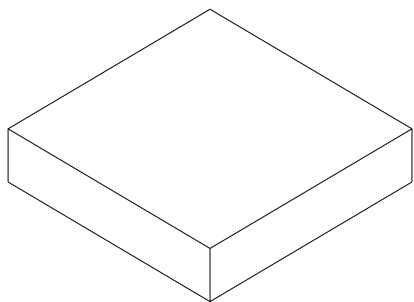
D. 包装信息(PACKAGE SPECIFICATION)



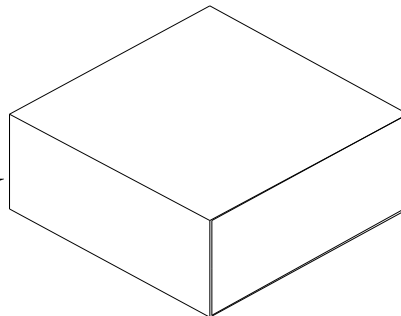
Four Reel



Inner Carton



Two Inner Carton



Export Carton

Package Quantity:

One Reel=600Pcs

One Inner Carton=600*4=2400Pcs

One Export Carton=2400*2=4800Pcs

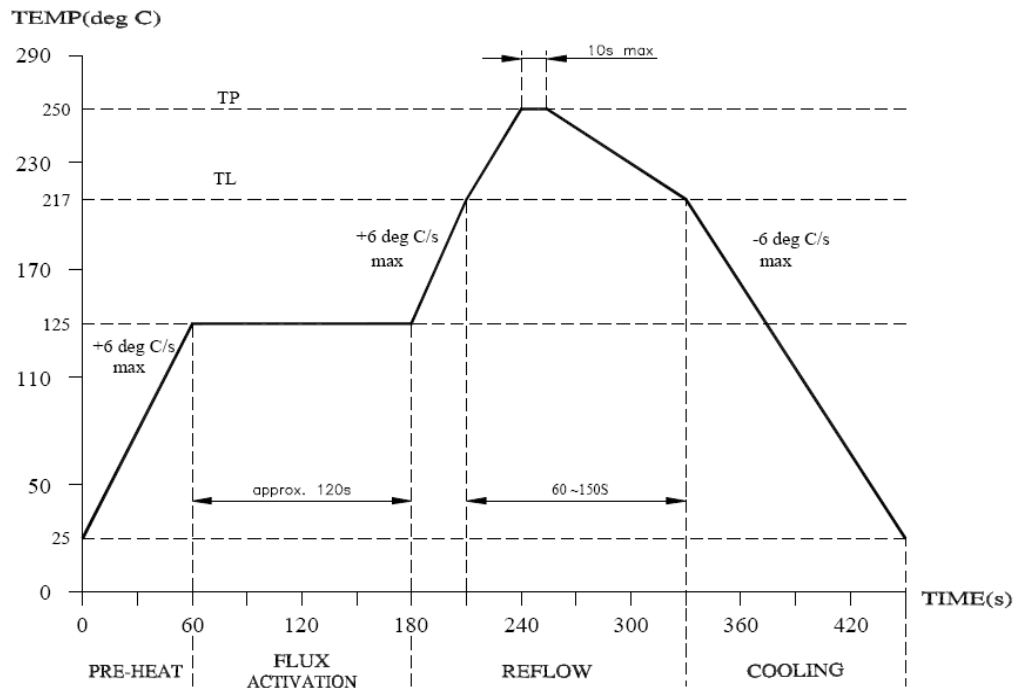
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E. RECOMMEND REFLOW SOLDERING CURVE



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

IR Information:

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

TL=217 $^{\circ}\text{C}$ tL=60s-150s Tp=250 $\pm$ 3 $^{\circ}\text{C}$ Time within 5 $^{\circ}\text{C}$ of actual Peak Temperature (tp): 20~40s

Ts min=150 $^{\circ}\text{C}$ Ts max=200 $^{\circ}\text{C}$ Ts min to Ts max: 60s-180s, 25 $^{\circ}\text{C}$ to peak Temperature: 8minutes max
2 times Min for IR Process.

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