

# APPROVED SHEET

CUSTOMER: \_\_\_\_\_

CUSTOMER P/N: \_\_\_\_\_

JWD P/N:

S06202BA

REV:

R0

DESCRIPTION:

Transformer

Meet AEC-Q200 Standard

BMS Application

CUSTOMER APPROVAL		COMPANY APPROVAL	
INSPECTED BY:		ISSUED BY:	Bob
CHECKED BY:		CHECKED BY:	
APPROVED BY:		APPROVED BY:	
APPROVED DATE:		ISSUED DATE:	2022/8/17

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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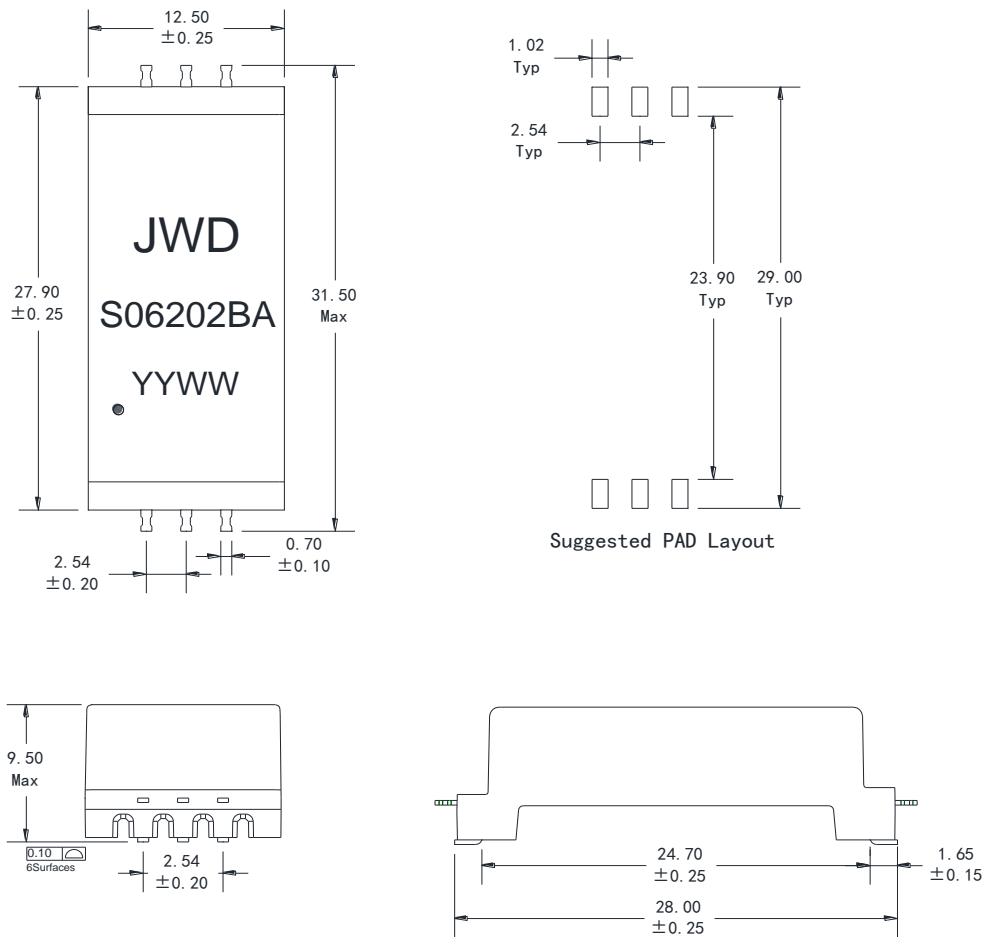
WEB: www.myjwd.com



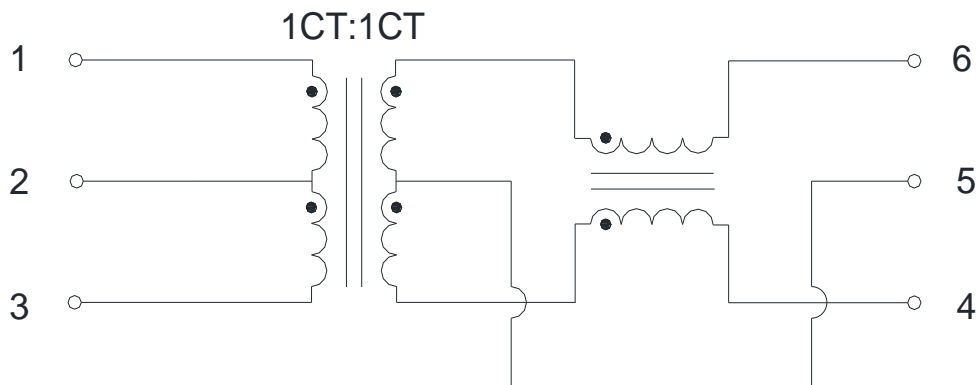
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## A. MECHANICAL(unit:mm)



## B. SCHEMATICS



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## C. ELECTRICAL SPECIFICATIONS @25°C

1. OCL(TD & RD): 150uH Min. @ 100 KHz, 0.1V(-40°C ~ +125°C)
2. Leakage Inductance(TD & RD, TX & RX shorted): 0.6uH Max @ 100KHz, 0.1V
3. DCR:Transformer side: 500mΩ Max  
CM choke side: 600mΩ Max
4. Turns Ratio: 1CT:1CT±2%
5. Insertion Loss: -1.0 dB Max @ 4 MHz
6. Return Loss: -20 dB Min @ 4 MHz
7. Common Mode Rejection: -30 dB Min @ 1-100 MHz
8. Isolation Hipot: 6400VDC 1mA 60S (Equivalent to 4500VAC 1mA 60S) or 5400VAC 1mA 2s
9. Reinforced Insulation At a Working Voltage Of 1500VDC And The Creepage Distance Of 15mm Min  
And The clearance distance Of 14mm Min
10. Operating Temperature: -40°C to +125°C
11. Storage Temperature(With Package): +10°C to +40°C
12. Storage Temperature(Without Package, Just For Components): -40°C to +125°C
13. RoHS Compliant

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## E. MATERIAL LIST

Item	Materials	Part Name	Supplier	UL
1	Core	Mn-Zn	YST/POYEE/IDEA/ ZHENGFENG	/
		Ni-Zn		
2	WIRE	FIW6 180 Φ0.140mm	SUNTEK	E469976
		P180 Φ0.140mm	ELEKTRISOLA	E258243
		FIW6 180 Φ0.140mm	DARUN	E508179
		PFA Φ0.142mm	NEW ENGLAND	E205791
3	Case	WH-9100(胶料)	FENGQIANG-胶壳供应商 (WAH HONG-胶壳之胶原料供应商)	E150608
		Phosphor Bronze (PIN 材)	FENGQIANG-胶壳供应商 (TONGRUN-胶壳之PIN材原料供应商)	/
4	Solder	Sn96 Cu4	LICHUANG/TONGFANG/ RONKUN	/
		Sn 100		
5	Silicone	WR7306YC A	Wells Electronic Materials CO.,LTD.	E223455
		WR7306YC B		
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