

规 格 书

SPECIFICATION

客户 CUSTOMER	立创商城
客户料号 CUSTOMER P/N	
规格描述 DESCRIPTION	ZNR-34S241K/單銅片腳/裸露24的圓形焊接面/50KA/蓝色
产品编码 PART NUMBER	3-ZNR-34S241K5
日期 DATE	2025-11-06

德尔创承认栏 APPROVED BY DERSONIC			客户承认栏 APPROVED BY CUSTOMER	
批 准 APPROVED BY	审 核 CHECK BY	制订 FORMULATE BY	批 准 APPROVED BY	审 核 CHECK BY
				

东莞市德尔创电子有限公司

DONGGUAN DERSONIC ELECTRONIC CO., LTD.

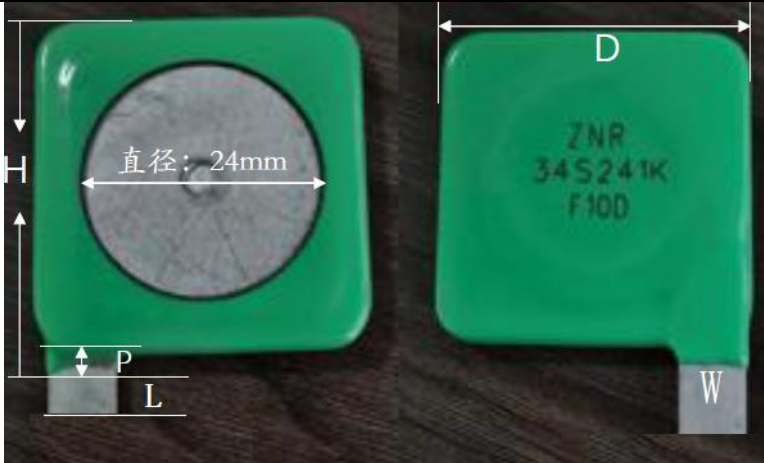
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SPECIFICATION FOR APPROVAL

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UL	/	CSA	/	TUV	/

1.OUTLINE

1.1	APPEARANCE	Without Any Crack, Marking Should be Clear
1.2	DIMENSIONS	DIMENSIONS (mm)

	D (Max)	44
	H (Max)	50
	本体厚 T (Max)	6.4
	W(±0.1)	7.0
	F (±1.0)	/
	L (±1.0)	5
	P(Max)	3.5
	Epoxy Colour :蓝色	

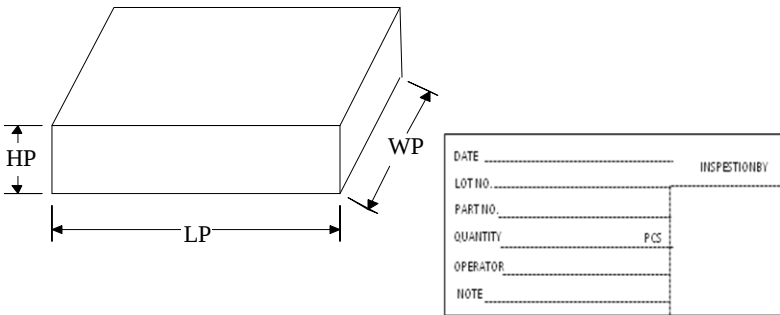
2.ELETRICAL PARAMETER

2.1	Max. Allowable Voltage	AC: 150(V)	At 1.0mA DC
		DC: 200(V)	
2.2	Varistor Voltage	216~264(V)	V0.1mA ☐ V1mA ☒
2.3	Rated Wattage	1.4(W)	
2.4	Max. Clamping Voltage	IP: 300(A)	Test Current Waveform 8/20μs
		Vc: 395(V)	
2.5	Withstanding Surge Current	1ime: 50000(A)	Test Current Waveform 8/20μs, The test is divided into four phase angles, each phase Angle positive and negative five times, and the time interval between each time is 60 seconds.
2.6	Max. Energy	390(J)	Test Current Waveform 10/1000μs
2.7	Typical Capacitance	7600(pf)	@1KHz
2.8	Leakage Current	≦ 45 (μA)	At 80% of Varistor Voltage
2.9	Nonlinear Exponent (α)	≧ 21	$\alpha = \log \frac{I_1}{I_2} / \log \frac{V_1}{V_2}$
2.10	Temperature Coefficient of Varistor Voltage	≧ ±0.05%/ °C Max.	$\frac{V_{c85^{\circ}\text{C}} - V_{c25^{\circ}\text{C}}}{V_{c25^{\circ}\text{C}}} \times \frac{1}{60} \times 100(\% ^{\circ}\text{C})$
2.11	Impulse Life	≧ ±10%(V1mA)	Test Current Waveform 8/20μs

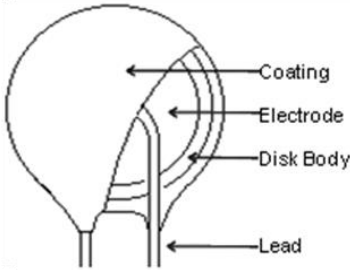
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3.PACKING

3.1	Quantity	60pcs									
3.2	Packing Dimension				<table><tr><td>LP</td><td>245max</td></tr><tr><td>HP</td><td>55 max</td></tr><tr><td>WP</td><td>185max</td></tr></table>	LP	245max	HP	55 max	WP	185max
LP	245max										
HP	55 max										
WP	185max										
Unit: mm											

4.MATERIAL LIST

4.1	Drawing				
4.2	Material Chart RoHs	Item	Composition	Manufacturer	
		Coating	Epoxy Resin	Made in China, and in line with the UL testing, meet the environmental requirements	
		Lead	Cp/Cu.Wire	Made in China, meet the environmental requirements	
		Electrode	Silver	Made in China, meet the environmental requirements	
		Disk	Zinc Oxide	SHANTOU RUI SHENG	
		Solder	Sn:96.5%CU 0.5%Ag2.0%	Made in China, meet the environmental requirements	

5.MECHANICAL REQUIREMENTS

5.1	Tensile of Terminations	No Outstanding Damage	1.0Kgf; 10Sec.
5.2	Bending of Terminations	No Outstanding Damage	0.5Kgf; 90° ,3 Times
5.3	Vibration	No Outstanding Damage	Freq:10-55hz;Amp:0.75mm,1Min.

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5.4	Solderability		Min. 95% of The Terminal Should Be Covered With Solder Uniformly		Solder Temp:265±5℃ Immersed Time: ≤5Sec.		
5.5	Resistance of soldering heat		△ V1mA/V1mA ≒±5%		Solder Temp: 265±5℃ Immersed Time: 10±1Sec.		
6.ENVIRONMENTAL REQUIREMENTS							
6.1	High Temperature Storage		△V1mA/V1mA ≒±5%		Ambient Temp: 125±2℃ Duration:1000h		
6.2	Low Temperature Storage		△V1mA/V1mA ≒±5%		Ambient Temp: -40±2℃ Duration:1000h		
6.3	High Humidity Storage/Damp Heat		△V1mA/V1mA ≒±5%		Ambient Temp: 40±2℃ 90-95% R.H. Duration:1000h		
6.4	Temperature 5Cycle		△V1mA/V1mA ≒±5%		Step	Temperature	Period
					1	-40℃	30 min
					2	Room Temp	15 min
					3	125℃	30 min
					4	Room Temp	15 min
6.5	High Temperature Load		△V1mA/V1mA ≒±10%		Ambient temp:85±2℃ Duration:1000h Load: MAX. Allowable Voltage		
6.6	High Humidity Load		△V1mA/V1mA ≒±10%		Ambient Temp: 40±2℃ 90-95% Duration:1000H Load: MAX. Allowable Voltage		
6.7	AC Dual 85 test 1000 hours		△V1mA/V1mA ≒±10%		Temperature 85±2℃, humidity 85%。		
6.8	Operating Temperature Range		-40℃ ~ +125℃		-40℃ ~ +125℃		
6.9	Storage Temperature Range		-40℃ ~ +125℃		-40℃ ~ +125℃		