

承认书

APPROVAL SHEET

客户 CUSTOMER	立創商城
客户料号 CUSTOMER P/N	
规格描述 DESCRIPTION	ZNR-40D271K/F25.4/L14.5/綠色/銅片腳
产品编码 PART NUMBER	3-ZNR-40D271K
日期 DATE	2025-04-09

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
彭少雄	吴成愛 样品承认章	胡明康		

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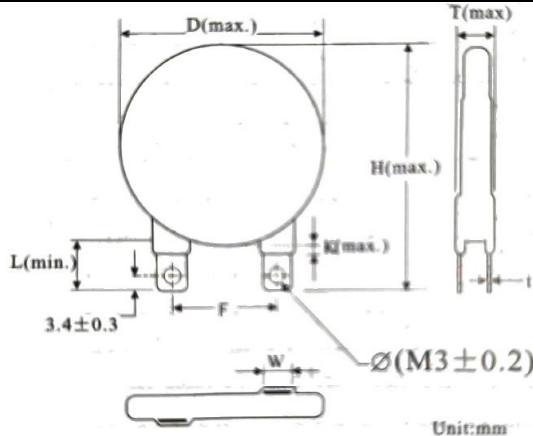
Website: <http://www.dersonic.com>

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)	60.2
T (Max)	6.6
W(±0.1)	7.0
F (±1.0)	25.4
L(Min)	14.5
M3	3.4
Epoxy Colour :	

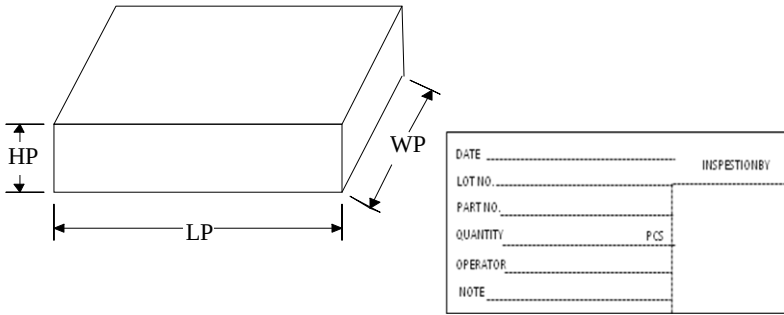
2.ELETRICAL PARAMETER

2.1	Max. Allowable Voltage	AC: 175(V)	At 1.0mA DC
		DC: 225(V)	
2.2	Varistor Voltage	243~297(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: 455(V)	
2.5	Withstanding Surge Current	1time: 40000(A)	Test Current Waveform 8/20µs
2.6	Max. Energy	470(J)	Test Current Waveform 10/1000µs
2.7	Typical Capacitance	7600(pf)	@1KHz
2.8	Leakage Current	≦ 35 (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

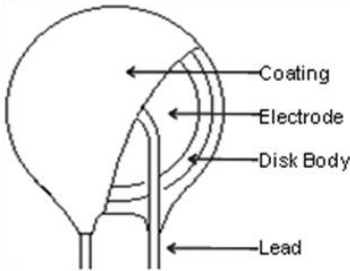
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3.PACKING

3.1	Quantity	60pcs
3.2	Packing Dimension	 DATE _____ LOT NO. _____ PART NO. _____ QUANTITY _____ PCS OPERATOR _____ NOTE _____ INSPECTION BY _____
		LP HP WP 245max 55 max 185max
		Unit: mm

4.MATERIAL LIST

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