

规格书

SPECIFICATION

客户 CUSTOMER	立创
客户料号 CUSTOMER P/N	
规格描述 DESCRIPTION	ZNR-25E241K/F12.5-7/L15/绿色
产品编码 PART NUMBER	3-ZNR-25E241K
日期 DATE	2024-07-25

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
				

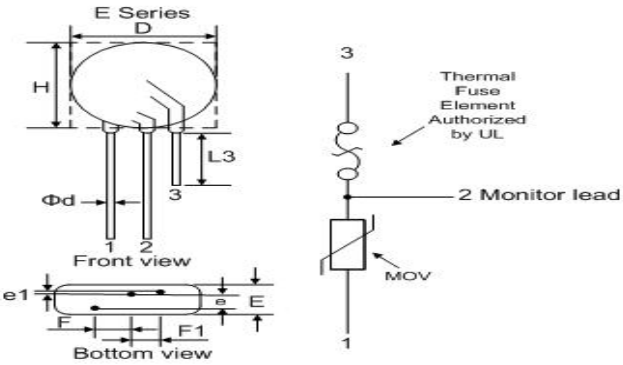
东莞市德尔创电子有限公司

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	/	

1.OUTLINE

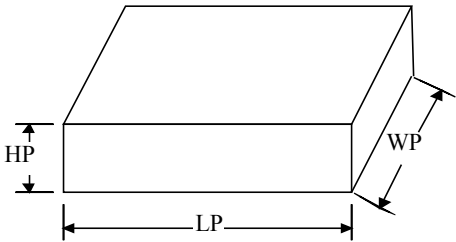
1.1	APPEARANCE	WITHOUT ANY CRACK, MARKING SHOULD BE CLEAR
1.2	DIMENSIONS	DIMENSIONS (mm)
		D (max)29 H (max)32 E(max)13.5 d (±0.05)1.0 F (±1.0)12.5 F1(±1.0)7 L(Min.)15 Epoxy ColourGreen

2.ELETRICAL PARAMETER

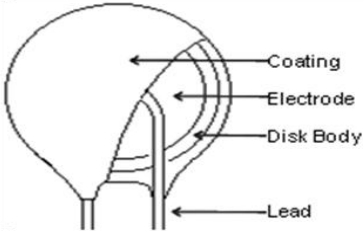
2.1	MAX ALLOWABLE VOLTAGE	AC:150(V) DC: 200(V)	At 1mA DC
2.2	VARISTOR VOLTAGE	216-264(V)	V0.1mA □ V1mA ■
2.3	RATED WATTAGE	1.2(W)	
2.4	MAX CLAMPING VOLTAGE	IP: 150(A) Vc: 395(V)	Test Current Waveform 8/20 μs
2.5	WITHSTANDING SURGE CURRENT	15000A	Test Current Waveform 8/20μs
2.6	MAX ENERGY	255(J)	Test Current Waveform 10/1000 μs
2.7	TYPICAL CAPACITANCE	2650(pf)	@1KHz
2.8	LEAKAGE CURRENT	≦30 (μA)	At 80% of Varistor Voltage
2.9	NONLINEAR EXPONENT (α)	≧20	$\alpha = \log \frac{I_1}{I_2} / \log \frac{V_1}{V_2}$
2.10	TEMPERATURE COEFFICENT OF VARISTOR VOLTAGE	≧±0.05%/℃ max	$\frac{V_{c85^{\circ}C}-V_{c25^{\circ}C}}{V_{cat25^{\circ}C}} \times \frac{1}{60} \times 100(\%^{\circ}C)$
2.11	IMPULSE LIFE	≧±10%(V1mA)	Test Current Waveform 8/20 μs

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3.PACKING

3.1	Quantity	200PCS			
3.2	Packing Dimension				LP 252max
					HP 66 max
					WP 160max
					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 94-V0 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	Zip Over LLC	
		Solder	Sn:96.5%CU 0.5%Ag3.0%	Made in China, meet the environmental requirements	

5. MARKING CODE

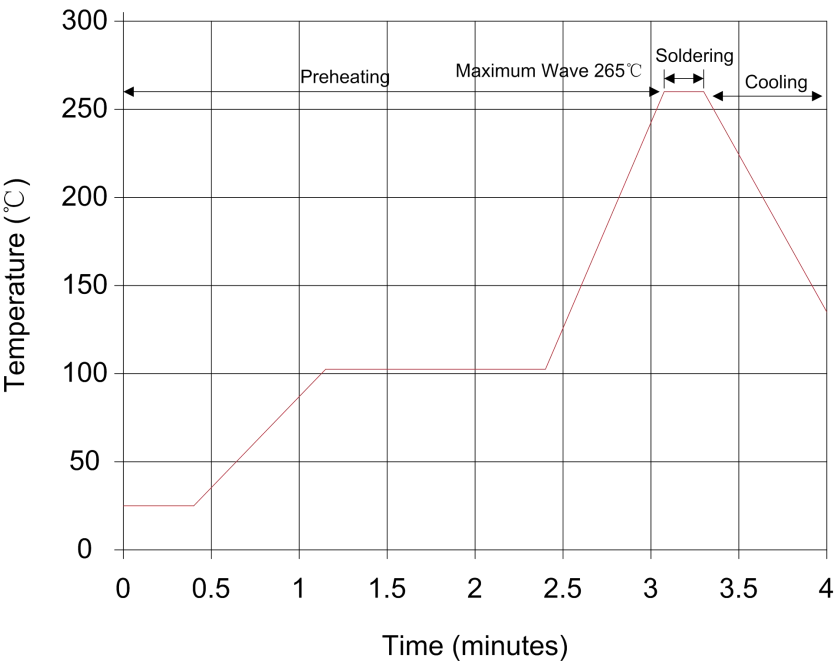
ZNR 25E241K XXX					
NOTE: XXX is the Production cycle and internal identification code					

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6.MECHENICAL REQUIREMENTS							
6.1	Tensile of Terminations		No Outstanding Damage		2.0Kgf; 10Sec.		
6.2	Bending of Terminations		No Outstanding Damage		1.0Kgf; 90° ,3 Times		
6.3	Vibration		No Outstanding Damage		Freq:10-55hz;Amp:0.75mm,1Min .		
6.4	Solderability		Min. 95% of The Terminal Should Be Covered With Solder Uniformly		Solder Temp:265±5℃ Immersed Time: ≤5Sec.		
6.5	Resistance of soldering heat		△ V1mA/V1mA ≡±5%		Solder Temp: 265±5℃ Immersed Time: 10±1Sec.		
7.ENVIRONMENTAL REQUIREMENTS							
7.1	High Temperature Storage		△V1mA/V1mA ≡±5%		Ambient Temp: 85±2℃ Duration:1000h		
7.2	Low Temperature Storage		△V1mA/V1mA ≡±5%		Ambient Temp: -40±2℃ Duration:1000h		
7.3	High Humidity Storage/Damp Heat		△V1mA/V1mA ≡±5%		Ambient Temp: 40±2℃ 90-95% R.H. Duration:1000h		
7.4	Temperature Cycle		△V1mA/V1mA ≡±5%		Step	Temperature (℃)	Period (min)
					1	-40±3	30 ±3
					2	Room Temp	15 ±3
					3	85±3	30 ±3
					4	Room Temp	15 ±3
7.5	High Temperature Load		△V1mA/V1mA ≡±10%		Ambient temp:85±2℃ Duration:1000h Load: MAX. Allowable Voltage		
7.6	High Humidity Load		△V1mA/V1mA ≡±10%		Ambient Temp: 40±2℃ 90-95%R.H.Duration:1000H Load: MAX. Allowable Voltage		
7.7	Operating Temperature Range		-40℃ ~ +85℃				
7.8	Storage Temperature Range		-40℃ ~ +85℃				
7.9	Fuse temperature (Tf)		136℃				
7.10	Public frequency current		15A/16A				

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Soldering Recommendation

Wave Lead Free Soldering Recommendation



Item	Conditions
Peak Temperature	265℃
Dipping Time	10 seconds (max.)
Soldering	1 time

Recommendation Reworking Conditions with Soldering Iron

Item	Conditions
Temperature of Soldering Iron-tip	360℃ (max.)
Soldering Time	3 seconds (max.)
Distance from Varistor	2mm (min.)

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