

壓敏電阻器規格承認書

APPROVAL SPECIFICATION FOR VARISTORS

客戶 CUSTOMER 立創

客戶料號 CUSTOMER P/N _____

客戶規格描述 CUST. DESCRIPTION _____

規格描述 DESCRIPTION ZNR-34S561K/F25.4/L14.5

產品編碼 PART NUMBER RM34S561KK1DE1A0

日期 DATE 2023/10/25 文件編號 DOC. NO. DEC-SA-WI007

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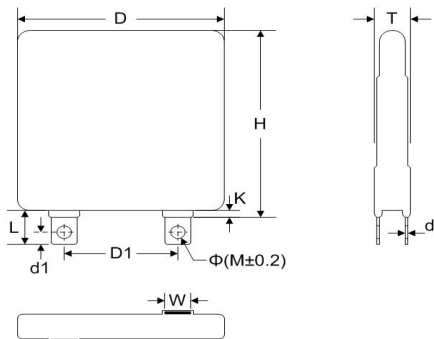
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1.OUTLINE

1.1	APPEARANCE	
1.2	DIMENSIONS	DIMENSIONS (mm)



H (max)	40
L(min)	14.5
D (max)	38
D1(±1.0)	25.4
T (max)	9.5
d(±0.25)	0.5
d1 (±0.3)	3.7
K (max)	3.2
W(±0.5)	7.0
M(±0.2)	3.2
Epoxy Colour: Blue	

2.ELETRICAL PARAMETER

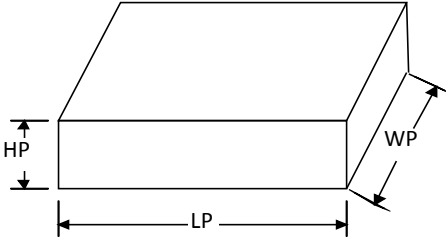
2.1	MAX ALLOWABLE VOLTAGE	AC: 350(V)	At 1mA DC
		DC: 460(V)	
2.2	VARISTOR VOLTAGE	504-616(V)	V0.1mA □ V1mA ■
2.3	RATED WATTAGE	1.4(W)	
2.4	MAX CLAMPING VOLTAGE	IP: 300(A)	Test Current Waveform 8/20 μs
		Vc: 925(V)	
2.5	WITHSTANDING SURGE CURRENT	1Time 40000A	Test Current Waveform 8/20 μs
		2Times: 30000A	
2.6	MAX ENERGY	730(J)	Test Current Waveform 10/1000 μs
2.7	TYPICAL CAPACITANCE	3800(pf)	@1KHz
2.8	LEAKAGE CURRENT	≅ 50 (μA)	At 80% of Varistor Voltage
2.9	NONLINEAR EXPONENT (α)	≧ 10	$\alpha = \log \frac{I_1}{I_2} / \log \frac{V_1}{V_2}$
2.10	TEMPERATURE COEFFICIENT OF VARISTOR VOLTAGE	≧ ±0.05%/°C max	$\frac{V_{c85^{\circ}C} - V_{c25^{\circ}C}}{V_{c25^{\circ}C}} \times \frac{1}{60} \times 100 (\% / ^{\circ}C)$
2.11	IMPULSE LIFE	≧ ± 10%(V1mA)	Test Current Waveform 8/20 μs

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3.PACKING

3.1	Quantity	60PCS		
3.2	Packing Dimension		LP	255max
			HP	66 max
			WP	165max
			Unit: mm	

4.MATERIAL LIST

4.1	Drawing	ellipsis		
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	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 34S561K D4D	<ol style="list-style-type: none"> 1) Dersonic trademark: ZNR 2) Nominal dimensions (34S=34*34mm) Varistor voltage (561=560V) Voltage tolerance (K=±10%) 3) Date code
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6.MECHANICAL REQUIREMENTS					
6.1	Tensile of Terminations	No Outstanding Damage	1.0Kgf; 10Sec.		
6.2	Bending of Terminations	No Outstanding Damage	0.5Kgf; 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°C Immersed Time: ≤5Sec.		
6.5	Resistance of soldering heat	△ V1mA/V1mA ≒±5%	Solder Temp: 265±5°C Immersed Time: 10±1Sec.		
7.ENVIRONMENTAL REQUIREMENTS					
7.1	High Temperature Storage	△V1mA/V1mA ≒±5%	Ambient Temp: 125±2°C Duration:1000h		
7.2	Low Temperature Storage	△V1mA/V1mA ≒±5%	Ambient Temp: -40±2°C Duration:1000h		
7.3	High Humidity Storage/Damp Heat	△V1mA/V1mA ≒±5%	Ambient Temp: 40±2°C 90-95% R.H. Duration:1000h		
7.4	Temperature Cycle/5Cycle	△V1mA/V1mA ≒±5%	Step	Temperature (°C)	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°C Duration:1000h Load: MAX. Allowable Voltage		
7.6	High Humidity Load	△V1mA/V1mA ≒±10%	Ambient Temp: 40±2°C 90-95%R.H.Duration:1000H Load: MAX. Allowable Voltage		
7.7	Operating Temperature Range	-40°C ~ +85°C	-40°C ~ +85°C		
7.8	Storage Temperature Range	-40°C ~ +125°C	-40°C ~ +125°C		

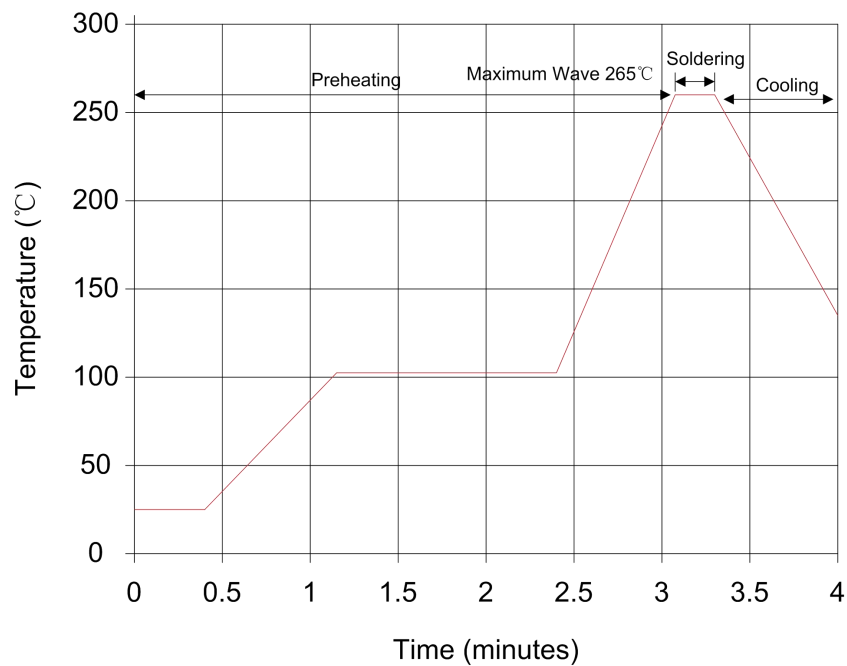
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Soldering Recommendation

Wave Lead Free Soldering Recommendation



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

Recommendation Reworking Conditions with Soldering Iron

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

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