Dersonic®
德信立業 創新開拓

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-34S112K/F20/L11.5/内嚮圓腳/藍色
产品编码 PART NUMBER	3-ZNR-34S112KY
日期 DATE	2026-06-01

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	胡明康		

东莞市德尔创电子有限公司 样品承认章

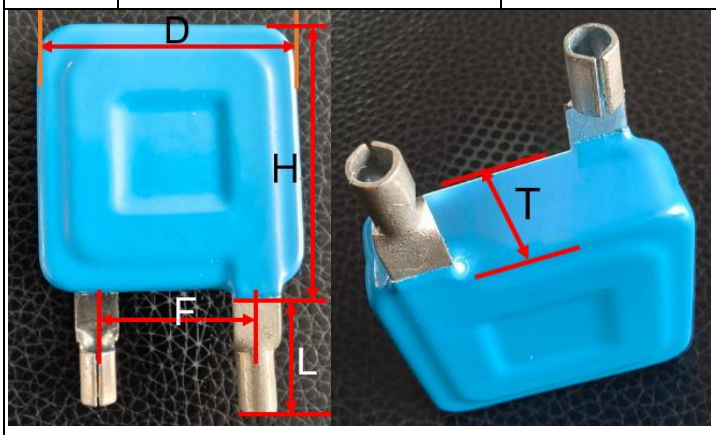
东莞市德尔创电子有限公司
DONGGUAN DERSONIC ELECTRONIC CO., LTD.
广东省东莞市寮步镇松湖智谷产业园F2栋15楼
15/F, Blk F2, Songshan Lake Intelligent Valley Industrial Park,Liaobu Town, Dongguan City, PRC
TEL: +86-769-8155 5686　　FAX: +86-769-8155 5989
E-mail: sales@dersonic.com　　quality@dersonic,com
Website: http://www.dersonic.com

SPECIFICATION FOR APPROVAL

	SPECIFICATION		NO.		
PART NO.	3-ZNR-34S112KY		PAGE 1 OF 3		
			DATE: 2025 年 11 月 10 日		
UL	/	CSA	/	TUV	/

1.OUTLINE

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



印字如下：
ZNR
34S112K
周期

D (Max)	35
H (Max)	38
T (Max)	12
F (±1.0)	20
L(Min)	11.5
Epoxy Colour :BLUE	

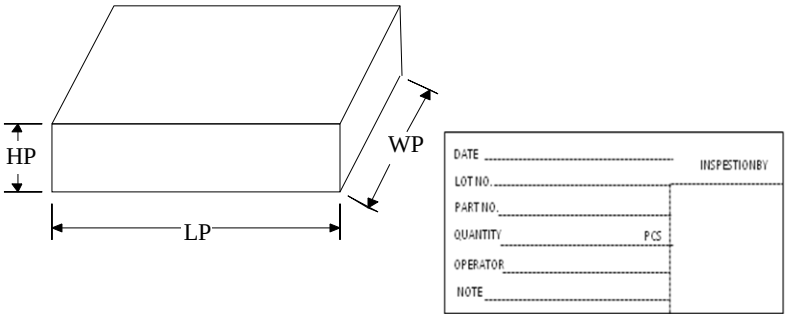
2.ELETRICAL PARAMETER

2.1	Max. Allowable Voltage	AC: 680(V) DC: 895(V)	At 1.0mA DC
2.2	Varistor Voltage	990~1210(V)	V0.1mA ☐ V1mA ■
2.3	Rated Wattage	1.4W	
2.4	Max. Clamping Voltage	IP: 300A) Vc: 1815(V)	Test Current Waveform 8/20μs
2.5	Withstanding Surge Current	40KA*1	Test Current Waveform 8/20μs
2.6	Withstanding Surge Current	@5KA ≤2.4KV	Test Current Waveform 8/20μs
2.7	Withstanding Surge Current	@10KA ≤2.6KV	Test Current Waveform 8/20μs
2.8	Withstanding Surge Current	@20KA ≤3.2KV	Test Current Waveform 8/20μs
2.9	Max. Energy	1250(J)	Test Current Waveform 10/1000μs
2.10	Typical Capacitance	1520pf)	@1KHz
2.11	Leakage Current	≦50 (μA)	At 75% of Varistor Voltage
2.12	Nonlinear Exponent (α)	≧ 21	$\alpha=\log \frac{I_1}{I_2} / \log \frac{V_1}{V_2}$
2.13	Temperature Coefficient of Varistor Voltage	≦±0.05%/ ℃ Max.	$\frac{Vc85℃-Vc25℃}{Vcat25℃} \times \frac{1}{60} \times 100(\%℃)$
2.14	Impulse Life	≦±10%(V1mA)	Test Current Waveform 8/20μs

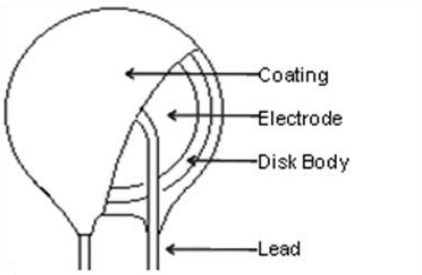
SPECIFICATION FOR APPROVAL

	SPECIFICATION		NO.		
PART NO.	3-ZNR-34S112KY		PAGE 2 OF 3		
			DATE: 2025 年 11 月 10 日		
UL	/	CSA	/	TUV	/

3.PACKING

3.1	Quantity	60pcs		
3.2	Packing Dimension		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.MECHENICAL 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.

SPECIFICATION FOR APPROVAL

	SPECIFICATION		NO.		
PART NO.	3-ZNR-34S112KY		PAGE 3 OF 3		
			DATE: 2025 年 11 月 10 日		
UL	/	CSA	/	TUV	/

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.ENVIROMENTAL 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℃ ~ +85℃	-40℃ ~ +85℃