

规格承认书

Specification for approval

产品名称：压敏电阻 34S162K

Product Type: varistor 34S162K

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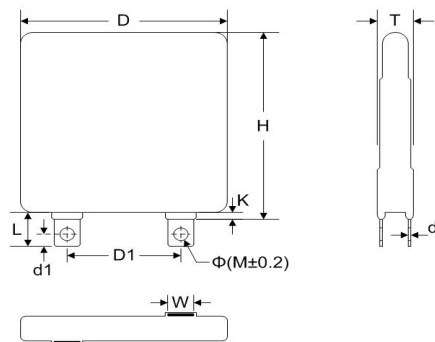
网址: <http://www.szshaoxin.com>

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SPECIFICATION FOR APPROVAL

Rev1.0	SPECIFICATION	NO.
PART NO.	34S162K	PAGE 1 OF 4
		DATE: 2026 年 7 月 8 日

1.OUTLINE

1.1	APPEARANCE	WITHOUT ANY CRACK, MARKING SHOULD BE CLEAR	
1.2	DIMENSIONS	DIMENSIONS (mm)	
		H (max)	40
		L(min)	14.5
		D (max)	38
		D1(± 1.0)	25.4
		T (max)	14.3
		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

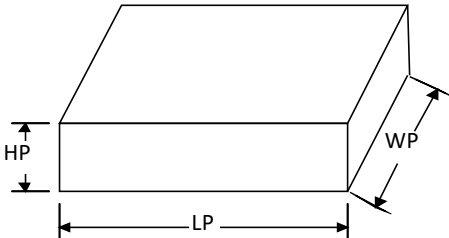
2.1	MAX ALLOWABLE VOLTAGE	AC: 1000(V) DC: 1250(V)	At 1mA DC
2.2	VARISTOR VOLTAGE	1440-1760(V)	V0.1mA □ V1mA ■
2.3	RATED WATTAGE	1.4(W)	
2.4	MAX CLAMPING VOLTAGE	IP: 300(A) Vc: 2640(V)	Test Current Waveform 8/20 μ s
2.5	WITHSTANDING SURGE CURRENT	1Time 40000A 2Time 30000A	Test Current Waveform 8/20 μ s
2.6	MAX ENERGY	1500(J)	Test Current Waveform 10/1000 μ s
2.7	TYPICAL CAPACITANCE	1100(pf)	@1KHz
2.8	LEAKAGE CURRENT	≦ 30 (μA)	At 75% 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 μ s

规格承认书

SPECIFICATION FOR APPROVAL

Rev1.0	SPECIFICATION	NO.
PART NO.	34S162K	PAGE: 2 OF 4
		DATE: 2026 年 7 月 8 日

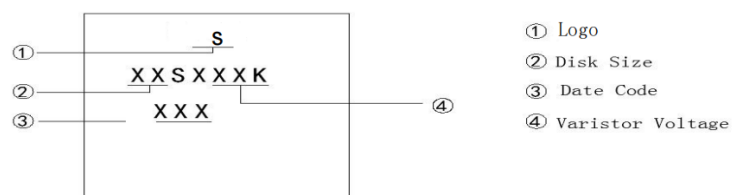
3.PACKING

3.1	Quantity	30PCS		
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/Copper	Made in China, meet the environmental requirements
		Disk	Zinc Oxide	Zip Over LLC
		Solder	Sn	Made in China, meet the environmental requirements

5. MARKING CODE



规格承认书

SPECIFICATION FOR APPROVAL

Rev1.0	SPECIFICATION	NO.
PART NO.	34S162K	PAGE: 3 OF 4
		DATE: 2026 年 7 月 8 日

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℃ Immersed Time: ≤5Sec.
6.5	Resistance of soldering heat	$\Delta V1mA/V1mA \leq \pm 5\%$	Solder Temp: 265±5℃ Immersed Time: 10±1Sec.

7.ENVIRONMENTAL REQUIREMENTS

7.1	High Temperature Storage	$\Delta V1mA/V1mA \leq \pm 5\%$	Ambient Temp: 125±2℃ Duration:1000h
7.2	Low Temperature Storage	$\Delta V1mA/V1mA \leq \pm 5\%$	Ambient Temp: -40±2℃ Duration:1000h
7.3	High Humidity Storage/Damp Heat	$\Delta V1mA/V1mA \leq \pm 5\%$	Ambient Temp: 40±2℃ 90-95% R.H. Duration:1000h
7.4	Temperature Cycle/5cycles	$\Delta V1mA/V1mA \leq \pm 5\%$	Step Temperature (℃) Period (min)
			1 -40±3 30 ±3
			2 Room Temp 15 ±3
			3 125±3 30 ±3
			4 Room Temp 15 ±3
7.5	High Temperature Load	$\Delta V1mA/V1mA \leq \pm 10\%$	Ambient temp:85±2℃ Duration:1000h Load: MAX. Allowable Voltage
7.6	High Humidity Load	$\Delta V1mA/V1mA \leq \pm 10\%$	Ambient Temp: 40±2℃ 90-95%R.H.Duration:1000H Load: MAX. Allowable Voltage
7.7	Operating Temperature Range	-40℃ ~ +85℃	-40℃ ~ +85℃
7.8	Storage Temperature Range	-40℃ ~ +125℃	-40℃ ~ +125℃

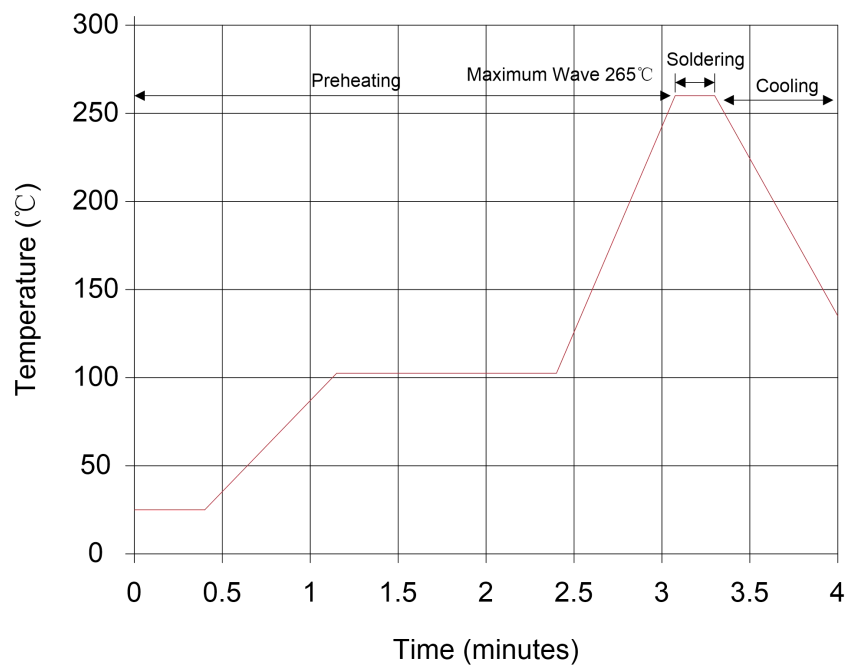
规格承认书

SPECIFICATION FOR APPROVAL

Rev1.0	SPECIFICATION	NO.
PART NO.	34S162K	PAGE: 4 OF 4
		DATE: 2026 年 7 月 8 日

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.)