



## Varistor Voltages 34s471k 60KA Metal Oxide Epoxy Resin Film Zinc Oxide Varistor 275v

Our Product Introduction

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### Basic Information

- Place of Origin: Dongguan China
- Brand Name: linkun
- Certification: CE / ROHS / UL / TUV / SGS
- Model Number: Metal Oxide Varistor
- Minimum Order Quantity: Negotiation
- Price: Negotiation
- Packaging Details: Export Package / Negotiation
- Delivery Time: Negotiation
- Payment Terms: T/T, L/C, Western Union
- Supply Ability: 24 million per year



### Product Specification

- Name: DIP Varistor
- Size: 34x34mm
- Type: Metal Oxide Varistor (MOV)
- Application: SPD
- Operating Temperature: -40 ~ +125
- Material: Zinc Oxide
- Description: Surge Protection In Consumer Electronics
- Storage Temperature: -40 To +125
- Axial Devices: Tin Plated
- VDC(V): 385
- VAC(V): 300
- Highlight: **Small Metal Oxide Varistor,  
Practical Metal Oxide Varistor,  
Multi Scene Varistor Electronics**



### More Images



## Product Description

34S plug-in varistor OBO lightning protection overvoltage protection surge absorber

The varistor MYL34S is mainly used to limit harmful atmospheric overvoltage and operating overvoltage, and can effectively protect the system or equipment:

1. In the power industry, varistor materials are often used to make lightning arrester valve plates. High-voltage insulators made of zinc oxide varistor have both insulation and transient overvoltage protection.
2. In electronic circuits, it has overvoltage protection, lightning protection, surge current suppression, peak pulse absorption, amplitude limiting, high-voltage arc extinguishing, noise elimination, and protection of semiconductor devices.

Features:

1. Large current capacity IN20KA/IMAX45KA
2. Epoxy resin insulation encapsulation;
3. Response time: <25ns
4. Ambient temperature: -40 +85
5. Insulation resistance  $\geq 500M\Omega$
6. Varistor voltage temperature coefficient: -0.5%/
7. Chip diameter: 32, 34S, 50mm
8. The allowable deviation of varistor voltage is:  $K\pm 10\%$ ,  $L\pm 15\%$
9. Low leakage current
10. Limit voltage VC: 1350V; IC: 200A

Varistor 32D series:

32D201K, 32D241K, 32D271K, 32D331K, 32D361K, 32D391K, 32D431K, 32D471K, 32D511K, 32D621K, 32D681K, 32D751K, 32D781K, 32D821K, 32D911K, 32D951K, 32D102K, 32D112K

Varistor 34S square type:

34S201K, 34S221K  
34S241K, 34S271K  
34S301K, 34S331K  
34S361K, 34S391K  
34S431K, 34S471K  
34S511K, 34S561K  
34S621K, 34S681K  
34S751K, 34S781K  
34S821K, 34S911K  
34S951K, 34S102K  
34S122K, 34S142K  
34S162K, 34S182K

Part Number	Vac(V)	Vdc(V)	V1mA(V)	Ip(A)	Vc(V)	I(A)	(J)	@iKHz(pF)
34S330K	20	26	33(30-36)	60	65	12000	50	43000
34S390K	25	31	39(35-43)	60	77	12000	65	31500
34S470K	30	38	47(42-52)	60	93	12000	75	28000
34S560K	35	45	56(50-62)	60	110	12000	90	24500
34S680K	40	56	68(61-75)	60	135	12000	110	21500
34S820K	50	65	82(74-90)	300	135	30000	135	19500
34S101K	60	85	100(90-110)	300	165	30000	165	15500
34S121K	75	100	120(108-132)	300	200	30000	200	13000
34S151K	95	125	150(135-165)	300	250	30000	260	11000
34S181K	115	150	180(162-198)	300	300	30000	300	9000
34S201K	130	170	200(180-220)	300	340	40000	330	8000
34S221K	140	180	220(198-242)	300	360	40000	360	7800
34S241K	150	200	240(216-264)	300	395	40000	390	7600
34S271K	175	225	270(243-297)	300	455	40000	420	7200
34S301K	190	250	300(270-330)	300	500	40000	460	7000
34S331K	210	275	330(300-360)	300	550	40000	500	6400
34S361K	230	300	360(324-396)	300	595	40000	510	6000
34S391K	250	320	390(351-429)	300	650	40000	530	4800
34S431K	275	350	430(387-473)	300	710	40000	600	4600

34S471K	300	385	470(423-517)	300	775	4000 0	650	4100
34S511K	320	415	510(459-561)	300	845	4000 0	700	4000
34S561K	350	460	560(504-616)	300	925	4000 0	730	3800
34S621K	385	505	620(558-682)	300	1025	4000 0	780	3600
34S681K	420	560	680(612-748)	300	1120	4000 0	810	3300
34S751K	460	615	750(675-825)	300	1240	4000 0	850	3000
34S781K	485	640	780(702-858)	300	1290	4000 0	930	2850
34S821K	510	670	820(738-902)	300	1355	4000 0	970	2700
34S911K	550	745	910(819-1001)	300	1500	4000 0	1050	2100
34S951K	575	765	950(855-1045)	300	1570	4000 0	1080	1900
34S102K	625	825	1000(900-1100)	300	1650	4000 0	1120	1700
34S112K	680	895	1100(990-1210)	300	1815	4000 0	1250	1520
34S122K	750	990	1200(1080-1320)	300	1980	4000 0	1340	1400
34S142K	880	1140	1400(1260-1540)	300	2310	4000 0	1400	1200
34S162K	1000	1280	1600(1440-1760)	300	2640	4000 0	1500	1100

#### Small Size MOV Metal Oxide Varistor Wide Working Voltage Range Response Speed Is Fast

The main characteristics of varistors are wide operating voltage range (6~3000V, divided into several grades), fast response to overvoltage pulses (nanosecond level), strong impact current resistance (100~2000a), and small leakage current (micro An level), small temperature coefficient of resistance, high performance, low price, small size. It is an ideal protection component, which can form overvoltage protection circuit, muffler circuit, spark suppression circuit, and absorption circuit. When the overvoltage pulse is superimposed on the power network, after connecting the rheostat, the overvoltage peak waveform is flattened and limited within a certain range. When using inductance and capacitance to open or close the load circuit, the switch tip pulse appears in the DC waveform, and the varistor can absorb the counter electromotive force in the circuit, thus effectively protecting the switch circuit from damage

Commonly used varistors include silicon carbide varistors and zinc oxide varistors, among which zinc oxide varistors are widely used. It is a new type of ideal overvoltage protection device made of zinc oxide as the main raw material, adding various trace metal oxides, mixed molding, and sintered assembly. Its conductivity varies nonlinearly with the applied voltage, which is called a varistor or a surge absorber

The nominal voltage or varistor voltage  $U_{1mA}$  under DC voltage conditions, when the varistor flows through the specified current, its terminal voltage is called the varistor voltage of the varistor. Generally, the terminal voltage when the varistor flows through a DC 1mA is called the varistor voltage  $U_{1mA}$ . For rheostats with a diameter less than or equal to 5mm, take 0.1mA as the nominal voltage measurement point. For low-voltage large-diameter products, there is also 20 mA to represent the nominal voltage.

Model Number	14D 20D 181K 390K 431K 470K 471K 511K 561K 680K 681K 821K 102K
Package	Varistors
D/C	Newest
Condition	New & Original
Lead time	Within 1 day
Unit Price	Contact us for latest price
More details	Please contact us

#### Applications

Transistor, diode, IC, thyristor or triac semiconductor protection  
Surge protection in consumer electronics  
Surge protection in industrial electronics  
Surge protection in electronic home appliances, gas and petroleum appliances  
Relay and electromagnetic valve surge absorption

#### Competitive Advantage:

Factory supply directly  
Completed certificates such as UL, VDE, SGS, etc and high quality available  
Quick delivery  
Best after-sales services  
OEM & ODM available

#### Specifications:

Part Number	Vac (V)	Vdc (V)	V1mA(V)	Ip(A)	Vac (V)	I(A)Standard	I(A)High Surge	(J)Standard	(J)High Surge	Rated power(W)	C@ 1K Hz (pf)
20D180 K(J)	11	14	18(15-21.6)	20	36	2000	3000	11	13	0.2	28500
20D220 K(J)	14	18	22(19.5-26)	20	43	2000	3000	14	16	0.2	18500
20D270 K(J)	17	22	27(24-31)	20	53	2000	3000	16	19	0.2	13000
20D330 K(J)	20	26	33(29.5-36.5)	20	65	2000	3000	23	24	0.2	11500
20D390 K(J)	25	31	39(35-43)	20	77	2000	3000	26	28	0.2	8500
20D470 K(J)	30	38	47(42-52)	20	93	2000	3000	30	34	0.2	7400
20D560 K(J)	35	45	56(50-62)	20	110	2000	3000	41	41	0.2	6500
20D680 K(J)	40	56	68(61-75)	20	135	2000	3000	46	49	0.2	5800
20D820 K(J)	50	65	82(74-90)	100	135	6500	10000	38	56	1.0	4900
20D101 K(J)	60	85	100(90-110)	100	165	6500	10000	45	70	1.0	4000
20D121 K(J)	75	100	120(108-132)	100	200	6500	10000	55	85	1.0	3300
20D151 K(J)	95	125	150(135-165)	100	250	6500	10000	70	106	1.0	2700
20D181 K(J)	115	150	180(162-198)	100	300	6500	10000	85	130	1.0	2200
20D201 K(J)	130	170	200(180-220)	100	340	6500	10000	95	140	1.0	2000
20D221 K(J)	140	180	220(198-242)	100	360	6500	10000	100	155	1.0	1800
20D241 K(J)	150	200	240(216-264)	100	395	6500	10000	108	168	1.0	1650
20D271 K(J)	175	225	270(243-297)	100	455	6500	10000	127	190	1.0	1500
20D301 K(J)	190	250	300(270-330)	100	500	6500	10000	136	210	1.0	1300
20D331 K(J)	210	275	330(297-363)	100	550	6500	10000	150	228	1.0	1200
20D361 K(J)	230	300	360(324-396)	100	595	6500	10000	163	255	1.0	1100
20D391 K(J)	250	320	390(351-429)	100	650	6500	10000	180	275	1.0	1000
20D431 K(J)	275	350	430(387-473)	100	710	6500	10000	190	305	1.0	930
20D471 K(J)	300	385	470(423-517)	100	775	6500	10000	220	350	1.0	850
20D511 K(J)	320	415	510(459-561)	100	845	6500	10000	220	360	1.0	780
20D561 K(J)	350	460	560(504-616)	100	925	6500	10000	220	380	1.0	710
20D621 K(J)	385	505	620(558-682)	100	1025	6500	10000	220	390	1.0	650
20D681 K(J)	420	560	680(612-748)	100	1120	6500	10000	230	400	1.0	600
20D751 K(J)	460	615	750(675-825)	100	1240	6500	10000	255	420	1.0	530
20D781 K(J)	485	640	780(702-858)	100	1290	6500	10000	265	440	1.0	510
20D821 K(J)	510	670	820(738-902)	100	1350	6500	10000	282	460	1.0	500
20D911 K(J)	550	745	910(819-1001)	100	1500	6500	10000	310	510	1.0	440
20D102 K(J)	625	825	1000(900-1100)	100	1650	6500	10000	342	565	1.0	400
20D112 K(J)	680	895	1100(990-1210)	100	1815	6500	10000	383	620	1.0	360
20D122 K(J)	750	990	1200(1080-1320)	100	1980	6500	10000	408	660	1.0	350
20D142 K(J)	880	1140	1400(1260-1540)	100	2310	6500	10000	532	784	1.0	340

20D162 K(J)	100 0	128 0	1600(1440- 1760)	10 0	264 0	6500	10000	606	896	1.0	330
20D182 K(J)	110 0	146 5	1800(1620- 1980)	10 0	297 0	6500	10000	625	990	1.0	320



### Production Process / Quality Control



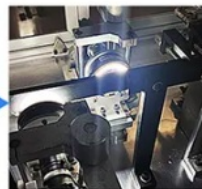
1. Lead Forming



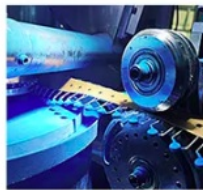
2. The combination of lead and chip



3. Soldering



4. Soldering Inspection



5. Epoxy Resin Coating



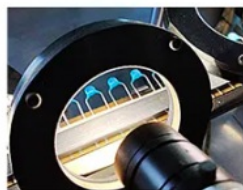
6. Baking



7. Laser Printing



8. Electrical Performance Test



9. Appearance Inspection



10. Lead Cutting or Pulling out



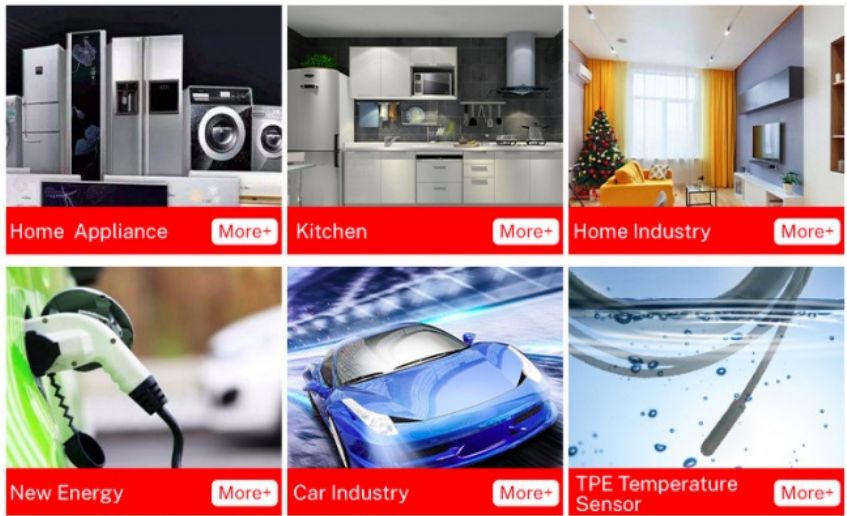
11. FQC and Packing

### Application

1. Varistor voltage: refers to the voltage value across the varistor at a specified temperature and DC (generally 1mA or 0.1mA). Recorded as V1mA or V0.1mA
2. Maximum continuous voltage: refers to the maximum effective value of sinusoidal AC voltage or the maximum DC voltage value that can be continuously applied to both ends of the varistor for a long time under the specified ambient temperature
3. Limiting voltage: refers to the maximum peak voltage at both ends of the varistor when a specified surge current (8,20 $\mu$ s) passes through it.

4. Rated power: refers to the maximum average impact power that can be applied to the varistor under the specified ambient temperature.
5. Maximum energy: the maximum impact energy that can be applied to the varistor under the condition that the varistor voltage does not change more than  $\pm 10\%$  and the impulse current waveform is 10, 1000 $\mu$ s or 2ms.
6. Current capacity (maximum inrush current)

## PRODUCT CATEGORIES



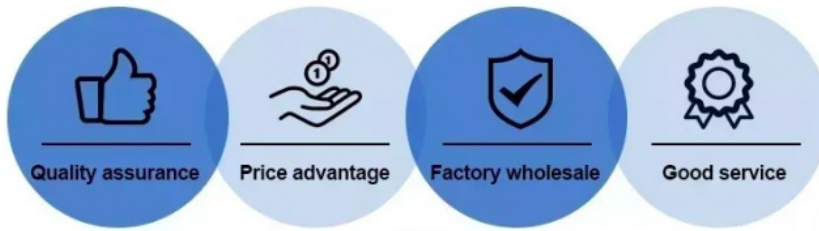
## CERTIFICATES



## OUR PARTNERS



**Our advantage:**



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