Automotive Stable MOV Electrical Components, Impact-Resistant Low-Voltage Varistor 32D Series 32D821K 32D471K 32D681K Mu

Our Product Introduction

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

- Features: Impact Resistance Characteristics
- Application: Power Inverter / New Energy
- Temperature Coefficient: 0~-0.05%/℃
- Temp Range (℃): -40℃ ~ +125℃
- Operating Temperature: -40℃ ~ +125℃
- Material: Zinc Oxide
- Highlight: **Car MOV Electrical Component**, **Stable MOV Electrical Component**, **Impact Resistance Low Voltage Varistor**

More Images

Our Product Introduction

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Product Description

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SPD varistor manufacturers believe that varistors have strong electrical characteristics and are a very mature electronic component that can be used in various electronic equipment to protect the claws, reduce lightning damage, and help improve the stability of the equipment It can be applied to lightning protection and automotive electrical and ignition systems. The resistance material of the varistor is a semiconductor, so it is a kind of semiconductor resistance. At present, a large number of 'zinc oxide' (ZnO) varistors are used, and their main materials are composed of a divalent element (Zn) and a hexavalent element oxygen (O). Therefore, from the material point of view, the zinc oxide varistor is a "II-VI oxide semiconductor".

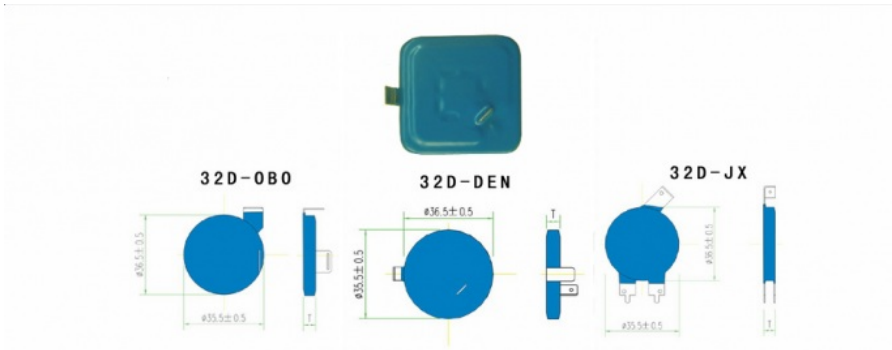
The application of varistors in automobiles can not only protect automobiles, but also improve automobile manufacturing technology and performance. SPD varistor manufacturers believe that rheostats can also protect the voltage and suppress the overvoltage of electronic ignition. When the ignition system is in normal working condition, the ignition ring will generate counter electromotive force. If the voltage across the secondary L2 calculated by the turns ratio exceeds 20kV, the high voltage will cause instantaneous breakdown of the spark plug, and the ignition will start normally. However, if the ignition system fails and the ignition is not normal, the induced voltage will cause a high overvoltage at the primary end of the ignition system, thereby shortening the life. By applying varistors and directly connecting varistors at both ends of the composite tube, it is possible to protect the ignition system, suppress overvoltage, and protect the automotive electrical system.

Model Number	32D 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:

ZINC OXIDE VARISTOR

32D Specification

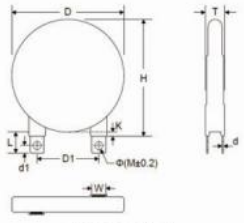
MYG-LK PartNumber	Maximum Allowable Voltage 最大允许电压		Varistor Voltage 压敏电阻器动作电压	Clamping Voltage (Max) 抑制电压 @(8/20)us		MaximumPeak Current 最大电流耐量 (8/20)us		Maximum Energy 最大吸收能量 (10/1000)us	Rated Power 消耗功率	Typical Capacitance (Reference) 参考电容值
	AC. rms	DC	V1.0mA(V)	VC	IP	1time	2time	(J)	(W)	@1KHz (pF)
Standard	(V)			(V)	(A)	(A)				
32D201K	130	170	200(185-225)	340				250		5200
32D241K	150	200	240(216-264)	395				290		5100
32D271K	175	225	270(243-297)	455				300		4800
32D331K	210	275	330(297-363)	550				360		4300
32D361K	230	300	360(324-396)	595				380		3900
32D391K	250	320	390(351-429)	650				400		3200
32D431K	275	350	430(387-473)	710				430		3100
32D471K	300	385	470(423-517)	775				460		2800
32D511K	320	415	510(459-561)	845				510		2700
32D621K	385	505	620(558-682)	1025				570	1.2	2400
32D681K	420	560	680(612-748)	1120	200	25000	20000	600		2200
32D751K	460	615	750(675-825)	1240				620		2000
32D781K	485	640	780(702-858)	1290				660		1900
32D821K	510	670	820(738-902)	1355				700		1800
32D911K	550	745	910(819-1001)	1500				750		1300
32D951K	575	765	950(855-1045)	1570				780		1200
32D102K	625	825	1000(900-1100)	1650				810		1100
32D112K	680	895	1100(990-1210)	1815				910		1000
32D122K	750	990	1200(1080-1320)	1980				960		920
32D142K	880	1140	1400(1260-1540)	2310				1020	1.1	800
32D162K	1000	1280	1600(1440-1760)	2640				1080	1.1	700

TABLE 1 Unit : mm

Symbol	Dimension
H(max.)	40.0
L(min.)	14.5
D(max.)	36.0
D1(±1.0)	25.4
T(max.)	TABLE 2
d(±0.25)	0.5
d1(±0.3)	3.7
K(max.)	3.2
W(±0.5)	7.0
ΦM(±0.2)	3.2

TABLE 2 Unit : mm

Model	T(max.)	Model	T(max.)
101K	5.8	511K	8.0
121K	6.0	561K	8.5
151K	6.3	621K	8.7
181K	6.1	681K	9.0
201K	6.2	751K	9.4
221K	6.3	781K	9.6
241K	6.4	821K	9.8
271K	6.6	911K	10.4
301K	6.8	951K	10.6
331K	6.9	102K	11.2
361K	7.1	112K	11.8
391K	7.3	122K	12.3
431K	7.5	142K	13.3
471K	7.8	162K	14.3

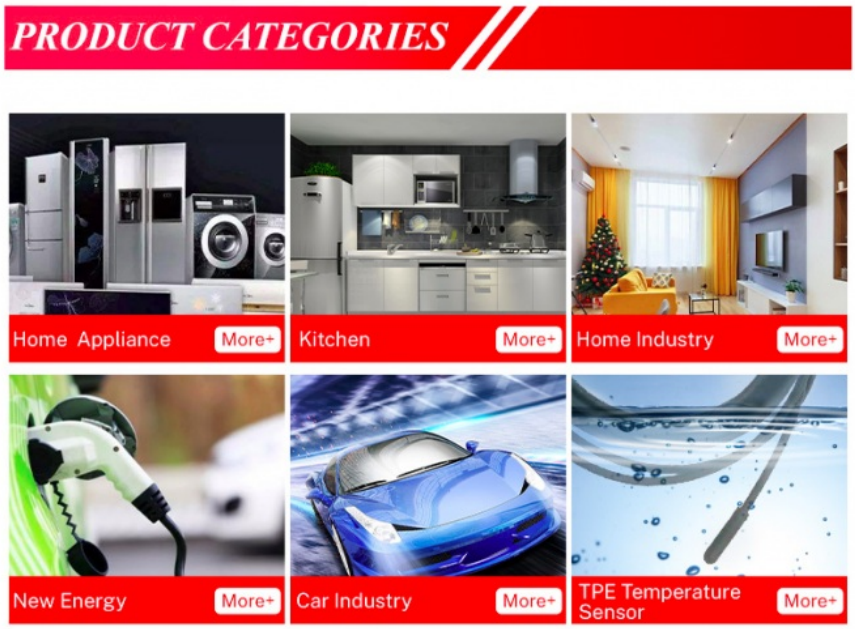


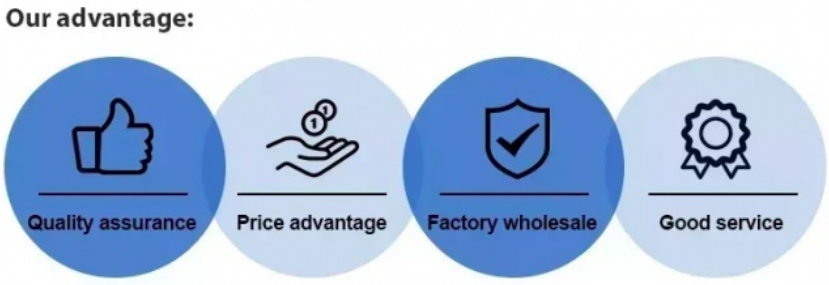
（图1：32D系列简图）

Production Process / Quality Control

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 V0.1mAo
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 (8,20μs) 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 ±10% and the impulse current waveform is 10, 1000μs or 2ms.
6. Current capacity (maximum inrush current)





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