



## Lightning Protection Type Varistor Zinc Oxide 40mm 40-621K 620V Round Copper Wire Foot

### Basic Information

- Place of Origin: Dongguan China
- Brand Name: linkun
- Certification: CE / ROHS / UL / TUV / SGS
- Model Number: MYL 40-621K
- Minimum Order Quantity: Negotiation
- Price: Negotiation
- Packaging Details: 50pcs/box 500pcs/carton
- Delivery Time: Negotiation
- Payment Terms: T/T, L/C, Western Union
- Supply Ability: 24 million per year



### Product Specification

- Material: Zinc Oxide
- MAX ALLOWABLE VOLTAGE: Vrms 385V DC:505(V)
- VARISTOR VOLTAGE: 558V~682(V)
- Max. Clamping Voltage (8/20μs): Vc: 1025V; Ic: 300A
- Rated Power: 1.4W
- Surge Current (1×8/20μs): 40000A
- MAX ENERGY: 860(J)
- TYPICAL CAPACITANCE: 3800(pf)
- Operating Temperature: -40°C ~ +85°C
- IStorage Temperature: -55°C ~ +125°C
- Coating: Blue Insulated Epoxy Resin
- Highlight: lightning protection type varistor,  
40-621K MOV varistor,  
Zinc oxide 40mm MOV varistor



### More Images





# ZINC OXIDE VARISTOR

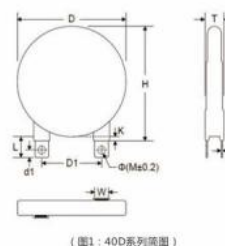


## 40D Specification

MYG-LK Part Number	Maximum Allowable Voltage 最大允许电压		Varistor Voltage 压敏电阻动作电压	Clamping Voltage (M <sub>ca</sub> ) 抑制电压 @ (8/20) $\mu$ s		Maximum Peak Current 最大电流容量 (8/20) $\mu$ s		Maximum Energy 最大吸收能量 (10/1000) $\mu$ s	Rated Power 消耗功率	Typical Capacitance (Reference) 参考电容值
	AC <sub>rms</sub>	DC	V1.0mA(V)	VC	IP	1time	2time	(J)	(W)	@1KHz (pF)
Standard	(V)			(V)	(A)	(A)				
40D201K	130	170	200(185-225)	340	300	40000	30000	370	1.4	8400
40D241K	150	200	240(216-264)	395				430		8000
40D271K	175	225	270(243-297)	455				470		7600
40D331K	210	275	330(297-363)	550				550		6700
40D361K	230	300	360(324-396)	595				570		6200
40D391K	250	320	390(351-429)	650				590		5100
40D431K	275	350	430(387-473)	710				660		4900
40D471K	300	385	470(423-517)	775				720		4300
40D511K	320	415	510(459-561)	845				770		4200
40D621K	385	505	620(558-682)	1025				860		3800
40D681K	420	560	680(612-748)	1120				900		3500
40D751K	460	615	750(675-825)	1240				940		3200
40D781K	485	640	780(702-858)	1290				980		3000
40D821K	510	670	820(738-902)	1355				1080		2900
40D911K	550	745	910(819-1001)	1500				1150		2200
40D951K	575	765	950(855-1045)	1570				1200		2000
40D102K	625	825	1000(900-1100)	1650				1260		1800
40D112K	680	895	1100(990-1210)	1815				1380		1600
40D122K	750	990	1200(1080-1320)	1980				1460		1500
40D142K	880	1140	1400(1260-1540)	2310				1550		1300
40D162K	1000	1280	1600(1440-1760)	2640				1700		1150

TABLE 1		Unit : mm
Symbol	Dimension	
H(max.)	48.0	
L(min.)	14.5	
D(max.)	42.0	
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	5.9	561K	8.3
151K	6.0	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: 40D系列简图)

## Strong Surge Withstand Capacity 53D MOV Metal Oxide Varistor Wide Working Voltage Range

SPD varistor manufacturers believe that semiconductor devices are also one of the new components introduced into automobiles, mainly used to protect the electrical system of automobiles and avoid damage to the system by overvoltage and surge energy. The application of varistors in automobiles can avoid the use of various techniques to adjust the electrical system. The low-voltage high-energy zinc oxide varistor (MYN1) is directly used to adjust the voltage and current of the ab terminal of the power supply to protect the entire electrical system. Even if the battery is disconnected from the power supply or the load drops sharply, and there is a large surge energy at both ends of AB, the varistor can also protect semiconductor devices and various electronic devices from surge impact, thereby reducing the volume and weight of the vehicle, and reducing driving fuel consumption.

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.

## Basic properties of varistors:

- (1) Protection characteristics. When the impact strength of the impact source (or the impact current  $I_{sp}=U_{sp}/Z_s$ ) does not exceed the specified value, the limited voltage of the varistor is not allowed to exceed the impact withstand voltage ( $U_{rp}$ ) that the protected object can withstand. .
- (2) Impact resistance characteristics, that is, the varistor itself should be able to withstand the specified impact current, impact energy, and the average power when multiple impacts occur one after another.
- (3) There are two life characteristics. One is the continuous working voltage life, that is, the varistor can meet the specified working time (hours) under the specified ambient temperature and system voltage conditions. The second is the impact life, that is, the number of times it can reliably withstand the specified impact.

Model Number	40D 201K 241K 431K 471K 511K 561K 681K 751K 781K 821K 911K 102K 112K 152K 162K
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

### Production Process / Quality Control



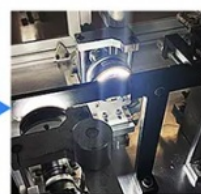
1. Lead Forming



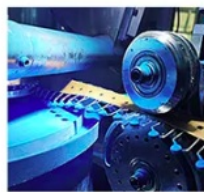
2. The combination of lead and chip



3. Soldering



4. Soldering Inspection



5. Epoxy Resin Coating



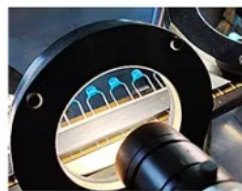
6. Baking



7. Laser Printing



8. Electrical Performance Test



9. Appearance Inspection



10. Lead Cutting or Pulling out



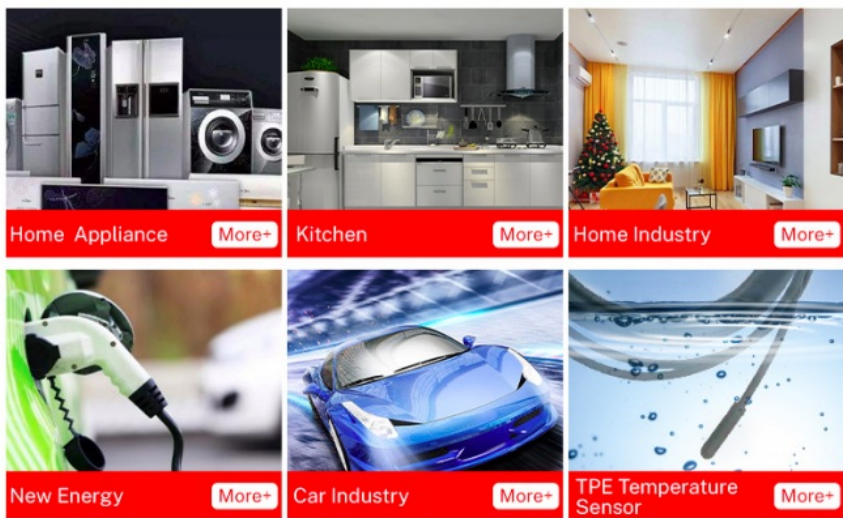
11. FQC and Packing

### 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 V0.1mAo
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  $\pm 10\%$  and the impulse current waveform is 10, 1000μs or 2ms.
6. Current capacity (maximum inrush current)



# PRODUCT CATEGORIES



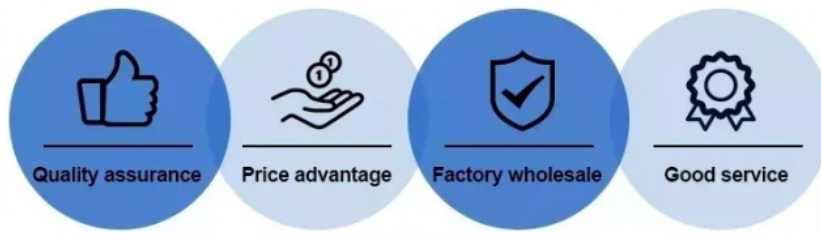
## CERTIFICATES



## OUR PARTNERS



**Our advantage:**



**Dongguan Linkun Electronic Technology Co., Ltd.**



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