High Power Zinc Oxide Varistor Round Copper Feet Anti-Surge Voltage 40000A

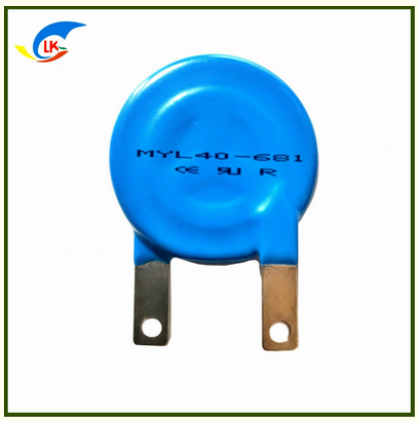
Our Product Introduction

Basic Information

- Place of Origin: Dongguan China
- Brand Name: linkun
- Certification: CE / ROHS / UL / TUV / SGS
- Model Number: Metal Oxide Varistor MYL 40-681B
- 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 420V DC: 560V)
- VARISTOR VOLTAGE: 612V~748(V)
- Max. Clamping Voltage (8/20μs): Vc: 1120V; Ic: 300A
- Rated Power: 1.4W
- Surge Current (1×8/20μs): 40000A
- MAX ENERGY: 900(J)
- TYPICAL CAPACITANCE: 3500(pf)
- Operating Temperature: -40℃ ~ +85℃
- IStorage Temperature: -55℃ ~ +125℃
- Coating: Blue Insulated Epoxy Resin
- Highlight: **high power Zinc oxide varistor**, **40000A Zinc oxide MOV varistor**



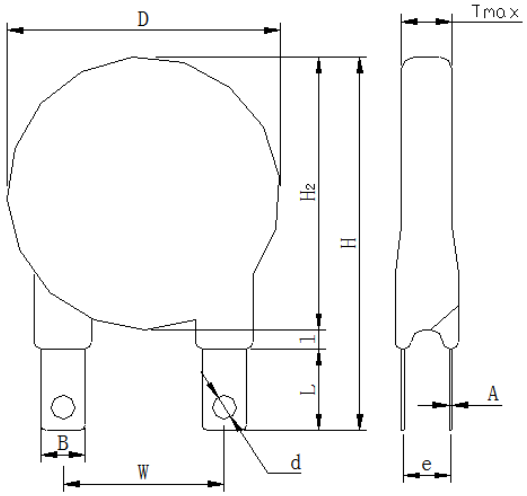
More Images

Product Description

PRODUCT SPECIFICATION

(Type)	(Your Ref.)	(Material No.)	(Design)	(Version)
MYL40- 681B		D40K560-K5-G002	MYL	D-1

(Physical parameters)	(Unit) : (mm)
D (max.)	45.0
H (max.)	60.0
H2 (max.)	45.0
T (max.)	9.0
W (±1.0)	25.4
l (max)	3.0
L (min)	12
e (±1.0)	6.0
d (±0.1)	3.8
A (±0.1)	0.5
B (±0.1)	7.1



Marking MYL40-681B 		**(Lead wire)**	Tinning copper wire
Coating	Blue insulated epoxy resin	**(Weight), g**	29.0

Varistor voltage (V_{1mA})	612V	~	**680V**	~	748V
Max. continuous operating voltage	V_{rms}: 420V;	V_{DC}: 560V			
Rated power	1.4W				
Max. clamping voltage (8/20μs)	V_C: 1120V;	I_C: 300A			
Surge current (1×8/20μs)	40000 A	(8/20μs)			
Max. energy	900 J	(2ms)			
Typical capacitance	3500pF	(1KHz)			
Leakage current	≦19μA	(75% of V_{1mA} (DC))			
Operating temperature	-40℃ ~ +85℃				
Storage temperature	-55℃ ~ +125℃				

Packing	□	Bulk	----pcs/bag	------pcs/box	------pcs/carton
	■	Box	----pcs/ bag	50 pcs/box	500pcs/carton

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 Isp=Usp/Zs) does not exceed the specified value, the limited voltage of the varistor is not allowed to exceed the impact withstand voltage (Urp) 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.

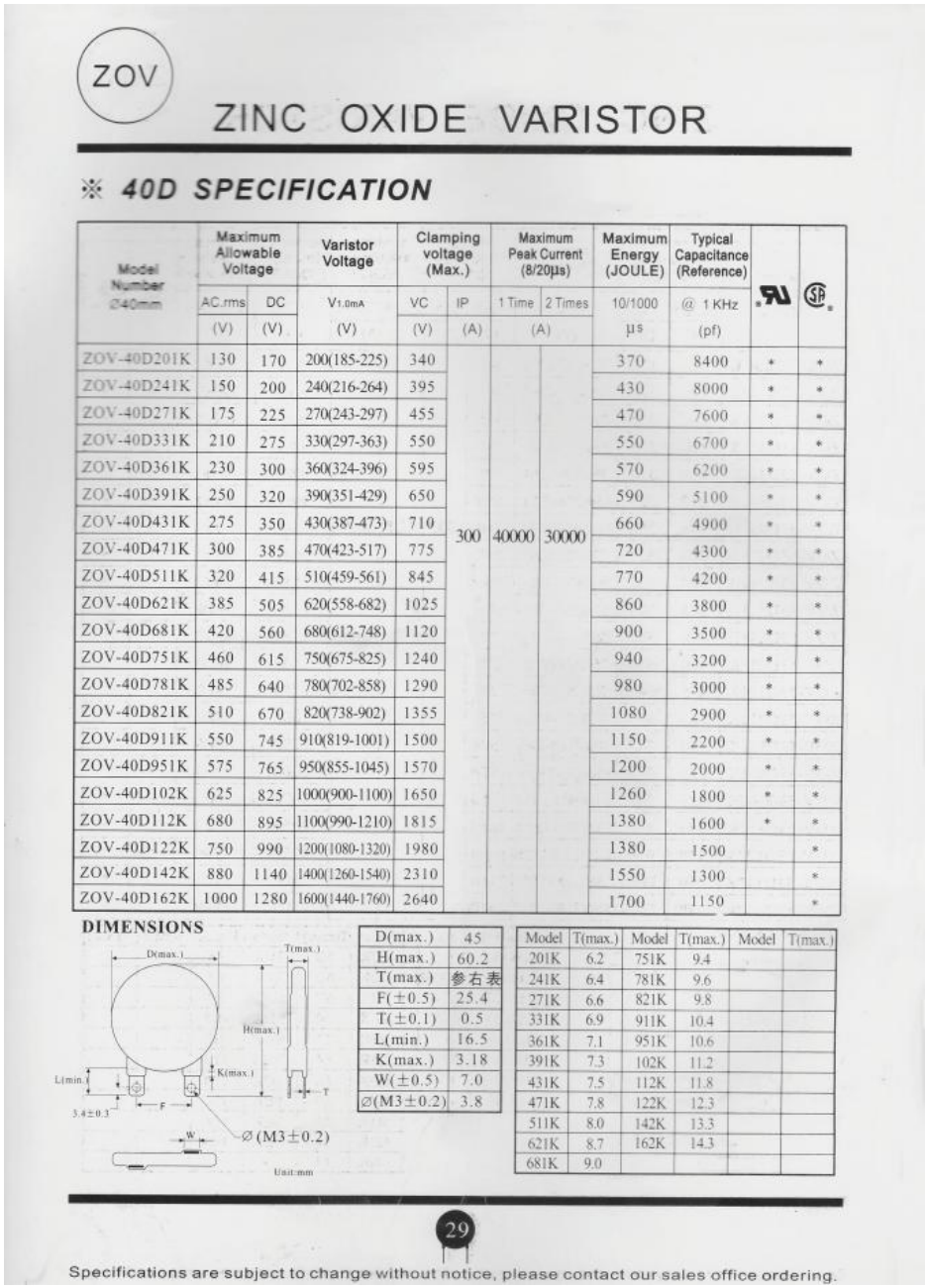
Model Number	40D 201K 241K 431K 471K 511K 561K 681K 751K 781K 821K 911K 102K 112K 152K 162K
Package	Varistors
D/C	Newest
Condition	New & Original
Lead time	Within 1 day

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



ZOV

ZINC OXIDE VARISTOR

※ 40D SPECIFICATION

Model Number Ø40mm	Maximum Allowable Voltage		Varistor Voltage	Clamping voltage (Max.)		Maximum Peak Current (8/20μs)		Maximum Energy (JOULE)	Typical Capacitance (Reference)		
	AC.rms	DC	$V_{1.0mA}$	VC	IP	1 Time	2 Times	10/1000	@ 1 KHz		
	(V)	(V)	(V)	(V)	(A)	(A)		μs	(pf)		
ZOV-40D201K	130	170	200(185-225)	340	300	40000	30000	370	8400	*	*
ZOV-40D241K	150	200	240(216-264)	395				430	8000	*	*
ZOV-40D271K	175	225	270(243-297)	455				470	7600	*	*
ZOV-40D331K	210	275	330(297-363)	550				550	6700	*	*
ZOV-40D361K	230	300	360(324-396)	595				570	6200	*	*
ZOV-40D391K	250	320	390(351-429)	650				590	5100	*	*
ZOV-40D431K	275	350	430(387-473)	710				660	4900	*	*
ZOV-40D471K	300	385	470(423-517)	775				720	4300	*	*
ZOV-40D511K	320	415	510(459-561)	845				770	4200	*	*
ZOV-40D621K	385	505	620(558-682)	1025				860	3800	*	*
ZOV-40D681K	420	560	680(612-748)	1120				900	3500	*	*
ZOV-40D751K	460	615	750(675-825)	1240				940	3200	*	*
ZOV-40D781K	485	640	780(702-858)	1290				980	3000	*	*
ZOV-40D821K	510	670	820(738-902)	1355				1080	2900	*	*
ZOV-40D911K	550	745	910(819-1001)	1500				1150	2200	*	*
ZOV-40D951K	575	765	950(855-1045)	1570				1200	2000	*	*
ZOV-40D102K	625	825	1000(900-1100)	1650				1260	1800	*	*
ZOV-40D112K	680	895	1100(990-1210)	1815				1380	1600	*	*
ZOV-40D122K	750	990	1200(1080-1320)	1980				1380	1500		*
ZOV-40D142K	880	1140	1400(1260-1540)	2310				1550	1300		*
ZOV-40D162K	1000	1280	1600(1440-1760)	2640				1700	1150		*

DIMENSIONS

D(max.)	45
H(max.)	60.2
T(max.)	参右表
F(±0.5)	25.4
T(±0.1)	0.5
L(min.)	16.5
K(max.)	3.18
W(±0.5)	7.0
Ø(M3±0.2)	3.8

Model	T(max.)	Model	T(max.)	Model	T(max.)
201K	6.2	751K	9.4		
241K	6.4	781K	9.6		
271K	6.6	821K	9.8		
331K	6.9	911K	10.4		
361K	7.1	951K	10.6		
391K	7.3	102K	11.2		
431K	7.5	112K	11.8		
471K	7.8	122K	12.3		
511K	8.0	142K	13.3		
621K	8.7	162K	14.3		
681K	9.0				

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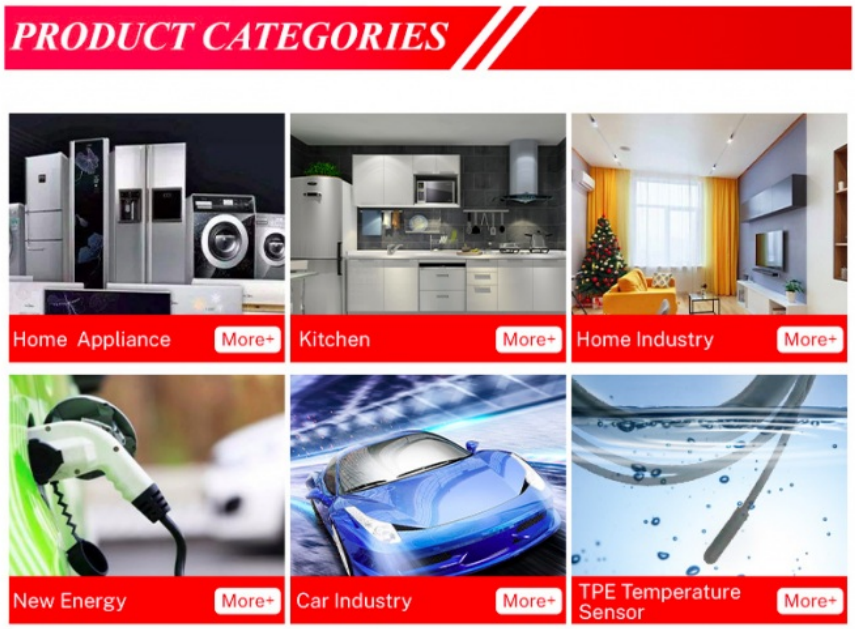
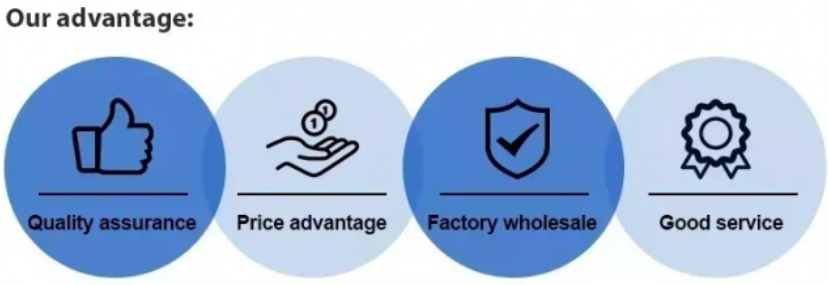
Specifications are subject to change without notice, please contact our sales office ordering.

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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