

Dongguan Linkun Electronic Technology Co., Ltd. Ik-thermistor.com

Lightning Protection MOV Zinc Oxide Varistor 53mm MYL53-112K 1100V Disc Copper

Basic Information

Place of Origin: Dongguan China

Brand Name: linkun

Certification: CE / ROHS / UL / TUV / SGS
 Model Number: Metal Oxide Varistor MYL 53D112K

Minimum Order Quantity: NegotiationPrice: 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: Strong Surge Withstand CapacityApplication: Power Inverter / New Energy

MAX ALLOWABLE DC: 895(V)

VOLTAGE:

• VARISTOR VOLTAGE: 990~1210(V)

• MAX CLAMPING In: 50000(A) IMax: 70000(A)

VOLTAGE:

• MAX ENERGY: 2050(J) • TYPICAL CAPACITANCE: 2700(pf) • LEAKAGE CURRENT: \leq 20(μ A) • NONLINEAR EXPONENT \geq 21

(a):

Material: Zinc OxideIMPULSE LIFE: ≦±10%(V1mA)

• Highlight: Lightning Protection MOV Zinc Oxide Varistor,

53mm MOV Zinc Oxide Varistor,



More Images







SPECIFICATION FOR APPROVAL

		SPECIFICATION	NO.	
PART	- NO	53D112K	PAGE 1 (OF 2
PARI	NO.	53D112K	DATE: 20	023 9 03
UL			CSA	
1.0U	TLINE			
1.1	APPEARA	ANCE	WITHOUT	ANY CRACK, MARKING SHOULD BE CLEAR
1.2	DIMENSI		DIMENSIC	
Wid	16.5 min	Thickness ## Thickness ## Thickness f copper plate		D (Max) 60 H (Max) 78.2 T (Max) 11.9 W (±0.05) 9.7 t 0.7 E (±1.0) 25.4 Φ (M4) 4.3
2.ELE 2.1		ARAMETER OWABLE VOLTAGE	AC: 680(V)	At 1mA DC
2.2		R VOLTAGE	DC: 895(V) 990~1210	V0.1mA □ V1mA ■
	VALIOTO	TI VOLTAGE	I(· /	
2.3	MAX CLA	MPING VOLTAGE	IP: 500(A) Vc: 1815(V)	Test Current Waveform 8/20μs
2.4	WITHSTA	NDING SURGE CURRENT	In: 50000(A) IMax: 70000(A)	- 8/20μs
2.5	MAX ENE		2050(J)	Test Current Waveform 10/1000µs
2.6		CAPACITANCE		@1KHz
2.7	LEAKAGE	CURRENT	≦ 20(μA)	At 80% of Varistor Voltage
2.8	NONLINE	AR EXPONENT (α)	≧ 21	$\alpha = \log$ $\frac{I_1}{I_2}$ \log $\frac{V_1}{V_2}$
2.9		ATURE COEFFICENT STOR VOLTAGE	≦±0.05%/ °C max	Vc85°C- Vc25°C x 100(°C)
2.10	IMPULSE	LIFE	≦±10% (V1mA)	Test Current Waveform 8/20µs

SPECIFICATION FOR APPROVAL

53D112K	İP	MOLO	\		
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	C	SA			
nenical Requirements			-		
Tensile of Terminations	No Outstanding Dama	No Outstanding Damage			
Bending of Terminations	No Outstanding Dama	No Outstanding Damage			
/ibration	IND CHISTANDING HAMADA		Freq:10-55hz; Amp:0.75mm,1Min.		
Solderability			Solder Temp:260±5°C Immersed Time: 2±0.5Sec.		
Resistance of soldering heat	V1mA/V1mA ≦±5%		Solder Temp: 260±5°C Immersed Time: 10±1Sec.		
7 3 7	ensile of Terminations ending of Terminations ibration olderability	enical Requirements ensile of Terminations ending of Terminations No Outstanding Dama No Outstanding Dama ibration No Outstanding Dama Min. 95% of The Term Should Be Covered W Solder Uniformly V1mA/V1mA ≤±5%	ensile of Terminations ending of Terminations No Outstanding Damage No Outstanding Damage No Outstanding Damage No Outstanding Damage Min. 95% of The Terminal Should Be Covered With Solder Uniformly V1mA/V1mA ≤±5%		

4.1	High Temperature Storage	△V1mA/V1mA	Ambient Temp: 125±2°C
	9 - P	≦±5%	Duration:1000h
4.2	Low Temperature Storage	∆V1mA/V1mA	Ambient Temp: -40±2°C
	-on romporataro otorago	≦±5%	Duration:1000h
4.3	High Humidity Storage/Damp Heat	△V1mA/V1mA	Ambient Temp: 40±2°C 90-95%
T.0	light hamidity Glorage/Bamp ficat	≦±5%	R.H. Duration:1000h
			Step Temperature Period
		∖V1mA/V1mA	1 -40°C 30 min
4.4	Temperature Cycle	∆vima/vima ≦±5%	2 Room Temp 15 min
		≦±3%	3 125°C 30 min
			4 Room Temp 15 min
		∧V1mA/V1mA	Ambient temp:85±2°C
4.5	High Temperature Load	≤±10%	Duration:1000h Load: MAx.
		==1076	Allowable Voltage
		∆V1mA/V1mA	Ambient Temp:40±2°C90-95%
4.6	High Humidity Load	≤±10%	R.H. Duration:1000H Load:
		==1070	MAX. AllowableVoltage
4.7	Operating Temperature Range	-40°C ~ +85°C	-40°C ~ +85°C
4.8	Storage Temperature Range	-40°C ~ +125°C	-40°C ~ +125°C

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	53D 181K 241K 431K 471K 511K 561K 681K 751K 781K 821K 911K 102K
Number	112K 152K 182K
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)	lp(A)	Vac (V)	I(A)High Surge		Rated	C@ 1K Hz
	, ,	,	Ľ		3-	3-	, ,	(pf)

20D180 K(J)	11	14	18(15-21.6)	20	36	2000	3000	11	13	0.2	285 00
20D220 K(J)	14	18	22(19.5- 26)	20	43	2000	3000	14	16	0.2	185 00
20D270 K(J)	17	22	27(24-31)	20	53	2000	3000	16	19	0.2	130 00
20D330 K(J)		26	33(29.5- 36.5)	20	65	2000	3000	23	24	0.2	115 00
20D390 K(J)	25	31	39(35-43)	20	77	2000	3000	26	28	0.2	850 0
20D470 K(J)	30	38	47(42-52)	20	93	2000	3000	30	34	0.2	740 0
OUDERU	35	45	56(50-62)	20	110	2000	3000	41	41	0.2	650 0
200600	40	56	68(61-75)	20	135	2000	3000	46	49	0.2	580 0
200820	50	65	182(/4-90)	10 0	135	6500	10000	38	56	1.0	490 0
000101	60	85	100(90-	10 0	165	6500	10000	45	70	1.0	400 0
20D121 K(J)	75	100	120(108-	10 0	200	6500	10000	55	85	1.0	330
20D1E1	95	125	150(135-	10 0	250	6500	10000	70	106	1.0	270 0
20D181 K(J)	115	150		10 0	300	6500	10000	85	130	1.0	220 0
20D201 K(J)	130	170	200(180-	10 0	340	6500	10000	95	140	1.0	200
20D221 K(J)	140	180	220(198-	10 0	360	6500	10000	100	155	1.0	180 0
20D241 K(J)	150	200	240(216- 264)	10 0	395	6500	10000	108	168	1.0	165 0
20D271 K(J)	175	225	270(243-	10 0	455	6500	10000	127	190	1.0	150 0
20D301 K(J)	190	250	300(270-	10 0	500	6500	10000	136	210	1.0	130
200231	210	275	330(297-	10 0	550	6500	10000	150	228	1.0	120 0
200261	230	300	360(324-	10 0	595	6500	10000	163	255	1.0	110
00001	250	320	390(351-	10 0	650	6500	10000	180	275	1.0	100
20D431 K(J)	275	350	430(387-	10	710	6500	10000	190	305	1.0	930
200471		385		10 0	775	6500	10000	220	350	1.0	850
20DE11	320	415	510(459-	10 0	845	6500	10000	220	360	1.0	780
20D561	350	460	560(504-	10	925	6500	10000	220	380	1.0	710
K(J) 20D621 K(J)	385	505	620(558-	0 10 0	102 5	6500	10000	220	390	1.0	650
20D681	420	560	680(612-	10	112 0	6500	10000	230	400	1.0	600
K(J) 20D751	460	615	750(675- 825)	l_	124 0	6500	10000	255	420	1.0	530
K(J) 20D781 K(J)	485	640	780(702-	0 10 0	129 0	6500	10000	265	440	1.0	510
K(J) 20D821	510	670	820(738-	10	135	6500	10000	282	460	1.0	500
K(J) 20D911	550	745	l `	l_	5 150	6500	10000	310	510	1.0	440
K(J) 20D102 K(J)	625	825	1000(900-	l_	0 165	6500	10000	342	565	1.0	400
20D112		895	1100(990-		0 181	6500	10000	383	620	1.0	360
20D122		990	1200(1080-	0 10	5 198	6500	10000	408	660	1.0	350
20D142		114	1320) 1400(1260-	l _	0 231	6500	10000	532	784	1.0	340
20D162	100	I.	1600(1440-	١_	0 264	6500	10000	606	896	1.0	330
K(J) 20D182		ı	1800(1620-	l_		6500	10000	625	990	1.0	320
K(J)	0	5	1980)	0	0	0000	10000	020		1.0	020



Production Process / Quality Control

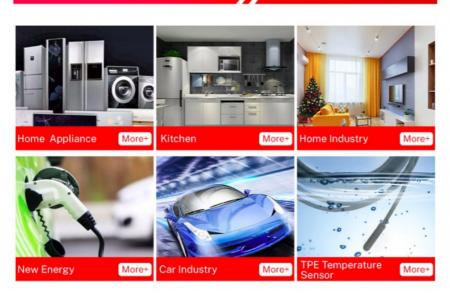


Application

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 V0.1mA0

- 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)

PRODUCT CATEGORIES





OUR PARTNERS



Our advantage:











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