



TMOV 14E 15A Composite Varistor 20M(E/N)180K-20M122K Series Anti-Surge Shock Varistor

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 20M(E/N) 180K-20M(E/N)122K
- 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

- Application: Power Inverter, Lighting, New Energy
- Maximum Allowable Voltage: DC:14V-990V
- Tolerance: 10%
- Varistor Voltage: 18V-1200V
- Rated Power: 0.2-1.0(w)
- Typical Capacitance (Reference): 28500-320 @1KHZ(PF)
- Operating Temperature: -40°C ~ +125°C
- Clamping Voltage (Mxa) A(8/20)us: VC : 36V-1980V IP : 20A-100A
- Maximum Peak Current (8/20)us: 1time :3000A-10000A 2time : 2000A-8000A
- Maximum Energy (10/1000)us: 13-650(J) 2MS: 10-460J
- Highlight: SPD Metal Oxide Varistor , Impact Resistance Metal Oxide Varistor ,



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ZINC OXIDE VARISTOR



14M(E/N) Series Specification (5A)

Part Number	Maximum Allowable Voltage 最大允许 电压		Varistor Voltage 压敏电阻器 动作电压	Clamping Voltage (M _{ca}) 抑制电压 @ (8/20)us		Maximum Peak Current 最大电流容量 (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		VC	IP	1time	2time	(J)			
	V1.0mA(V)			(V)	(A)	(A)		(10/ 1000)us	2ms		
Standard	(V)			(V)	(A)						
14M(E/N)820K	50	65	82(74-90)	135	50	6000	4500	27.0	22.0	0.60	2400
14M(E/N)101K	60	85	100(90-110)	165				33.0	28.0		2000
14M(E/N)121K	75	110	120(108-132)	200				40.0	32.0		1700
14M(E/N)151K	95	125	150(135-165)	250				50.0	35.0		1300
14M(E/N)181K	115	150	180(162-198)	300				58.0	40.0		1100
14M(E/N)201K	130	170	200(185-225)	340				70.0	50.0		1000
14M(E/N)221K	140	180	220(198-242)	360				78.0	55.0		900
14M(E/N)241K	150	200	240(216-264)	395				85.0	60.0		830
14M(E/N)271K	175	225	270(243-297)	455				100.0	70.0		740
14M(E/N)301K	190	250	300(270-330)	500				107.0	75.0		670
14M(E/N)331K	210	275	330(297-363)	550				115.0	80.0		610
14M(E/N)361K	230	300	360(324-396)	595				125.0	90.0		560
14M(E/N)391K	250	320	390(351-429)	650				140.0	100.0		510
14M(E/N)431K	275	350	430(387-473)	710				155.0	110.0		460
14M(E/N)471K	300	385	470(423-517)	775				175.0	125.0		430
14M(E/N)511K	320	415	510(459-561)	845				190.0	136.0		390
14M(E/N)561K	350	460	560(504-616)	925				200.0	140.0		360
14M(E/N)621K	385	505	620(558-682)	1025				210.0	150.0		320
14M(E/N)681K	420	560	680(612-748)	1120				220.0	155.0		290
14M(E/N)751K	460	615	750(675-825)	1240				225.0	160.0		270
14M(E/N)781K	485	640	780(702-858)	1290				240.0	165.0		260
14M(E/N)821K	510	670	820(738-902)	1355				245.0	170.0		240
14M(E/N)911K	550	745	910(819-1001)	1500				255.0	180.0		220
14M(E/N)102K	625	825	1000(900-1100)	1650				280.0	190.0		200
14M(E/N)112K	680	895	1100(990-1210)	1815				310.0	205.0		180
14M(E/N)122K	750	990	1200(1080-1320)	1980				338.0	215.0		150

ZINC OXIDE VARISTOR



14M(E/N) Series Specification (5A)

Part Number	Maximum Allowable Voltage 最大允许电压		Varistor Voltage 压敏电阻器动作电压	Clamping Voltage (M _{ca}) 抑制电压 @:(8/20)us	MaximumPeak Current 最大电流耐受量 (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			1time	2time	(J)			
Standard	(V)		V1.0mA(V)	(V)	(A)	(A)		(10/1000)us	2ms	@1KHz (pF)
14M(E/N)820K	50	65	82(74-90)	135	50	6000	4500	27.0	22.0	2400
14M(E/N)101K	60	85	100(90-110)	165				33.0	28.0	2000
14M(E/N)121K	75	110	120(108-132)	200				40.0	32.0	1700
14M(E/N)151K	95	125	150(135-165)	250				50.0	35.0	1300
14M(E/N)181K	115	150	180(162-198)	300				58.0	40.0	1100
14M(E/N)201K	130	170	200(185-225)	340				70.0	50.0	1000
14M(E/N)221K	140	180	220(198-242)	360				78.0	55.0	900
14M(E/N)241K	150	200	240(216-264)	395				85.0	60.0	830
14M(E/N)271K	175	225	270(243-297)	455				100.0	70.0	740
14M(E/N)301K	190	250	300(270-330)	500				107.0	75.0	670
14M(E/N)331K	210	275	330(297-363)	550				115.0	80.0	610
14M(E/N)361K	230	300	360(324-396)	595				125.0	90.0	560
14M(E/N)391K	250	320	390(351-429)	650				140.0	100.0	510
14M(E/N)431K	275	350	430(387-473)	710				155.0	110.0	460
14M(E/N)471K	300	385	470(423-517)	775				175.0	125.0	430
14M(E/N)511K	320	415	510(459-561)	845				190.0	136.0	390
14M(E/N)561K	350	460	560(504-616)	925				200.0	140.0	360
14M(E/N)621K	385	505	620(558-682)	1025				210.0	150.0	320
14M(E/N)681K	420	560	680(612-748)	1120				220.0	155.0	290
14M(E/N)751K	460	615	750(675-825)	1240				225.0	160.0	270
14M(E/N)781K	485	640	780(702-858)	1290				240.0	165.0	260
14M(E/N)821K	510	670	820(738-902)	1355				245.0	170.0	240
14M(E/N)911K	550	745	910(819-1001)	1500				255.0	180.0	220
14M(E/N)102K	625	825	1000(900-1100)	1650				280.0	190.0	200
14M(E/N)112K	680	895	1100(990-1210)	1815				310.0	205.0	180
14M(E/N)122K	750	990	1200(1080-1320)	1980				338.0	215.0	150

ZINC OXIDE VARISTOR



14M(E/N) Series Specification (5A)

Part Number	Maximum Allowable Voltage 最大允许电压		Varistor Voltage 压敏电阻器动作电压	Clamping Voltage (M _{ca}) 抑制电压 @ (8/20)us	Maximum Peak Current 最大电流容量 (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			1time	2time	(J)				
Standard	(V)		V1.0mA(V)	VC	IP	(A)		(10/1000)us	2ms	(W)	@1KHz (pF)
14M(E/N)820K	50	65	82(74-90)	135	50	6000	4500	27.0	22.0	0.60	2400
14M(E/N)101K	60	85	100(90-110)	165				33.0	28.0		2000
14M(E/N)121K	75	110	120(108-132)	200				40.0	32.0		1700
14M(E/N)151K	95	125	150(135-165)	250				50.0	35.0		1300
14M(E/N)181K	115	150	180(162-198)	300				58.0	40.0		1100
14M(E/N)201K	130	170	200(185-225)	340				70.0	50.0		1000
14M(E/N)221K	140	180	220(198-242)	360				78.0	55.0		900
14M(E/N)241K	150	200	240(216-264)	395				85.0	60.0		830
14M(E/N)271K	175	225	270(243-297)	455				100.0	70.0		740
14M(E/N)301K	190	250	300(270-330)	500				107.0	75.0		670
14M(E/N)331K	210	275	330(297-363)	550				115.0	80.0		610
14M(E/N)361K	230	300	360(324-396)	595				125.0	90.0		560
14M(E/N)391K	250	320	390(351-429)	650				140.0	100.0		510
14M(E/N)431K	275	350	430(387-473)	710				155.0	110.0		460
14M(E/N)471K	300	385	470(423-517)	775				175.0	125.0		430
14M(E/N)511K	320	415	510(459-561)	845				190.0	136.0		390
14M(E/N)561K	350	460	560(504-616)	925				200.0	140.0		360
14M(E/N)621K	385	505	620(558-682)	1025				210.0	150.0		320
14M(E/N)681K	420	560	680(612-748)	1120				220.0	155.0		290
14M(E/N)751K	460	615	750(675-825)	1240				225.0	160.0		270
14M(E/N)781K	485	640	780(702-858)	1290				240.0	165.0		260
14M(E/N)821K	510	670	820(738-902)	1355				245.0	170.0		240
14M(E/N)911K	550	745	910(819-1001)	1500				255.0	180.0		220
14M(E/N)102K	625	825	1000(900-1100)	1650				280.0	190.0		200
14M(E/N)112K	680	895	1100(990-1210)	1815				310.0	205.0		180
14M(E/N)122K	750	990	1200(1080-1320)	1980				338.0	215.0		150

The characteristic of the varistor is that when the voltage applied to it is lower than its threshold "Un", the current flowing through it is extremely small, which is equivalent to a closed valve. When the voltage exceeds Un, its resistance The value becomes smaller, so that the surge of current flowing through it has little effect on other circuits, thereby reducing the impact of overvoltage on subsequent sensitive circuits. Utilizing this function, it is possible to suppress the abnormal overvoltage that often occurs in the circuit and protect the circuit from damage caused by overvoltage.

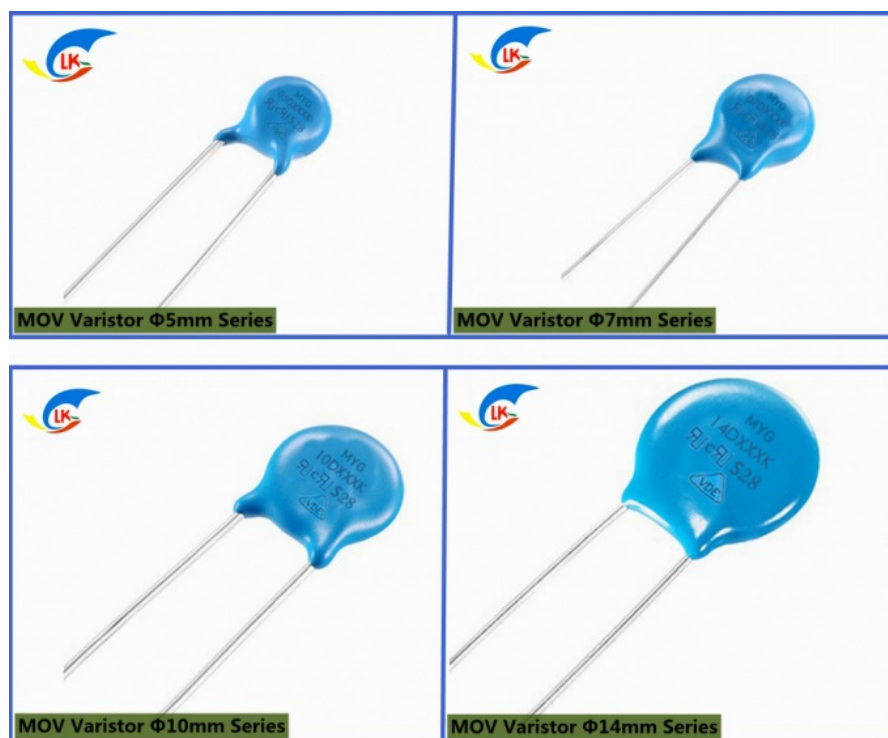
Varistors detect and suppress repeated voltage surges without damage. SPD varistor manufacturers believe that in summer, low-voltage electrical appliances in most parts of southern my country are damaged by lightning strikes, which not only cause heavy property losses, but also cause personal injury. Due to its special electrical characteristics, varistors can be used to manufacture various semiconductor devices to protect electronic equipment and lightning surge protection under overvoltage conditions, and to ensure the normal operation of various low-voltage devices under lightning strikes.

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

Model and parameters

Model	Maximum continuous working voltage		Varistor voltage	maximum limit Voltage		flow capacity(8/20u s)		maximum energy (J)		rated power	capacitance
	AC(V)	DC(V)	V0.1mA	Vp(V)	Ip(A)	1 (A)	2 (A)	10/1000us	2ms	(W)	1KH Z (pF)
MYG-32D391K	250	320	390(351-429)	650	200	25000	20000	330			3200
MYG-32D431K	275	350	430(387-473)	710	200	25000	20000	360			3100
MYG-32D471K	300	385	470(423-517)	775	200	25000	20000	380			2800
MYG-32D511K	320	415	510(459-561)	845	200	25000	20000	430			2700
MYG-32D621K	385	505	620(558-682)	1025	200	25000	20000	470			2400
MYG-32D681K	420	560	680(612-748)	1120	200	25000	20000	495			2200
MYG-32D751K	460	615	750(657-825)	1240	200	25000	20000	520			2000
MYG-32D781K	485	640	780(702-858)	1290	200	25000	20000	550			1900
MYG-32D821K	510	670	820(738-902)	1355	200	25000	20000	580			1800
MYG-32D911K	550	745	910(819-1001)	1500	200	25000	20000	620			1300
MYG-32D951K	575	765	950(855-1045)	1570	200	25000	20000	650			1200
MYG-32D102K	625	825	1000(900-1100)	1650	200	25000	20000	685			1100
MYG-32D112K	680	895	1100(990-1210)	1815	200	25000	20000	750			1000
MYG-40D210K	130	170	200(185-225)	395	250	40000	25000	310			8400
MYG-40D241K	150	200	240(216-264)	455	250	40000	25000	360			8000
MYG-40D271K	175	225	270(243-297)	550	250	40000	25000	390			7600
MYG-40D331K	210	275	330(297-363)	595	250	40000	25000	460			6700
MYG-40D361K	230	300	360(324-396)	650	250	40000	25000	475			6200

MYG-40D391 K	250	320	390(351-429)	710	250	40000	25000	490			5100
MYG-40D431 K	275	350	430(387-473)	775	250	40000	25000	550			4900
MYG-40D471 K	300	385	470(423-517)	845	250	40000	25000	600			4300
MYG-40D511 K	320	415	510(459-561)	1025	250	40000	25000	640			4200
MYG-40D621 K	385	505	620(558-682)	1120	250	40000	25000	720			3800
MYG-40D681 K	420	560	680(612-748)	1240	250	40000	25000	750			3500
MYG-40D751 K	460	615	750(675-825)	1290	250	40000	25000	780			3200
MYG-40D781 K	485	640	780(702-858)	1355	250	40000	25000	820			3000
MYG-40D821 K	510	670	820(738-902)	1500	250	40000	25000	900			2900

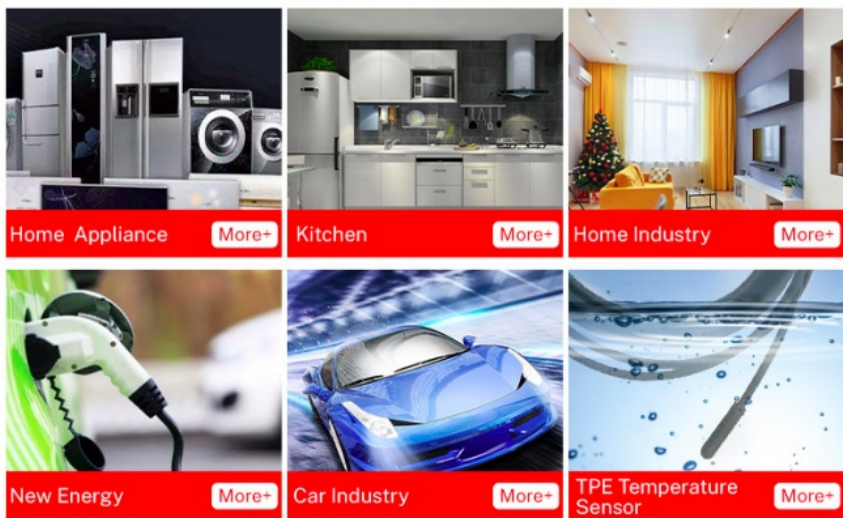




Application

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 (8,20μs) 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



Dongguan Linkun Electronic Technology Co., Ltd.



13423305709



huangju@lk-ptc.com



lk-thermistor.com

Room 101, No. 21, Huayuanzai Road, Chongmei, Chashan Town, Dongguan City, Guangdong Province