14D18V-1800V MOV 14mm Series Varistors AC1100V DC 14V 1465V For Safety Surge Voltage Prote

Our Product Introduction

Basic Information

- Place of Origin: China
- Brand Name: LIN KUN
- Certification: UL,VDE,CSA,CQC
- Model Number: MOV 14D180L-14D182K
- Minimum Order Quantity: 1000PCS
- Price: Negotiate
- Packaging Details: 500PCS/Bag
- Delivery Time: 10-15Days
- Payment Terms: MoneyGram, L/C, T/T
- Supply Ability: 100000pcs/month

Product Specification

- Size: 14mm
- Varistor Voltage: 15V-1980V
- Maximum Allowable Voltage: DC 14V-1465V
- Clamping Voltage (Max.): VC 36V-2970
- Voltage Range: K±10%
- High Surge: 7-335J
- Reference Capacitance: 11100-130 @1KHZ(pf
- Maximum Absorbed Energy (10/1000)us: 4-250 J)
- Storage Temperature: -40 ~+85
- Maximum Current Capacity (8/20) Us: 1000-4500 A)

More Images

Our Product Introduction

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Product Description

Product Description:

ZINC OXIDE VARISTOR

MYG

PART NUMBER CODE FOR "MYG"

MYG	—			D				K		

Zinc Oxide Varistor Common Code Zip OVer LLC. Metal Oxide Varistor Surge Absorber

Element Dia	
03	ø 3.0mm
05	ø 5.0mm
07	ø 7.0mm
10	ø 10.0mm
14	ø 14.0mm
18	ø 18.0mm
20	ø 20.0mm
25	ø 25.0mm

Disc Type

Varistor Voltage

The first two digits are significant figures and the third one denotes the number of zeros following decimal point is expressed by R.
Examples:

470	$47x10^{0}$=47V
471	$47x10^{1}$=470V
102	$10x10^{2}$=1000V

Tolerance	
K	±10%
L	±15%
M	±20%

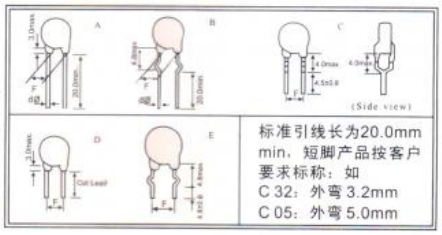
Or customer Special requirement

*Lead style

Packing	
B	Bulk
R	Reel
A	Ammo

*Lead Style

Code	Configuration	Note
A	Straight Long 0.8mm铜线 7.5mm脚距	18D、20D
B	Straight Long 0.6mm铜线5.0mm脚距	05D、07D无字符
	Straight Long 0.8mm铜线7.5mm脚距	10D、14D无字符
	Straight Long 1.0mm铜线10.0mm脚距	18D、20D无字符
C	Outside Crimped	全系列
H	Vertical Crimped	全系列

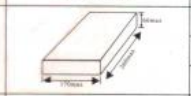
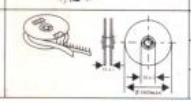


*Quantity & Measure:

(A) Bulk Packaging:

Series \ Measure / Quantity	Min./Plastic bag
03D	2000PCS
05D	1000PCS
07D	1000PCS
10D	500PCS
14D	500PCS
18D	400PCS
20D	300PCS
25D	200PCS

(B) Taping Paekaging:

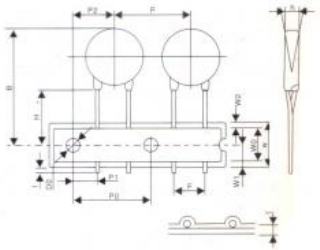
Packing	Dimensions in mm	Series	Quantity(pcs)
Box		03D、05D、07D	1500
		10D、14D	1000
		18D、20D	500
Ammo		05D、05D、07D	1500
		10D、14D	750
		18D、20D	500
Reel		03D、05D、07D	1500
		10D、14D	750
		18D、20D	500

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

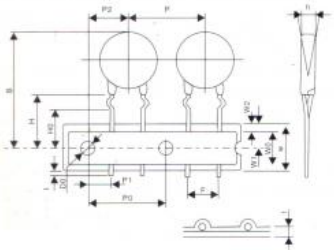
ZINC OXIDE VARISTOR

(B) Taping Specification

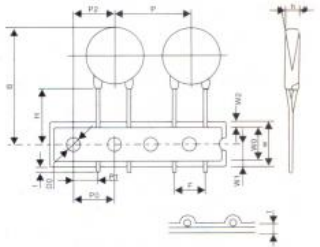
Straight Leads (03D、05D、07D)



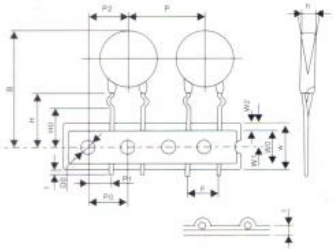
Crimped Leads (03D、05D、07D)



Straight Leads (10D、14D、18D、20D)



Crimped Leads (10D、14D、18D、20D)



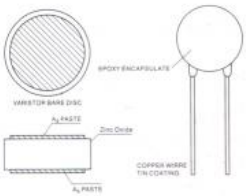
Symbol	Parameter	Series						
		03Dseries	05Dseries	07Dseries	10Dseries	14Dseries	18Dseries	20Dseries
P	Pitch of Component	12.7 ± 1.0	12.7 ± 1.0	12.7± 1.0	25.4 ± 1.0	25.4 ± 1.0	25.4 ± 1.0	25.4 ± 1.0
P0	Feed Hole Pitch	12.7 ± 0.3	12.7 ± 0.3	12.7± 0.3	12.7 ± 1.0	12.7± 1.0	12.7 ± 1.0	12.7 ± 1.0
P1	Feed Hole Center to Lead	4.85 ± 0.7	3.85 ± 0.7	3.85 ± 0.7	8.95 ± 0.7	8.95± 0.7	7.7 ± 0.7	7.7 ± 0.7
P2	Hole Center to component Center	6.35 ± 1.3	6.35 ± 1.3	6.35± 1.3	12.7 ± 1.3	12.7 ± 1.3	12.7 ± 1.3	12.7 ± 1.3
F	Lead to Lead Distance	4.0 ± 0.8	5.0 ± 0.8	5.0 ± 0.8	7.5 ± 0.8	7.5 ± 0.8	IC. 0 ± 0.8	I0. 0 ± 0.8
h	Component Alignment	0 ± 2	0 ± 2	0 ± 2	0 ± 2	0 ± 4	0 ± 4	0 ± 4
W	Tape Width	18.0 ± 1.0	18.0 ± 1.0	18.0 ± 1.0	18.0 ± 1.0	18.0 ± 1.0	18.0 ± 1.0	18.0 ± 1.0
W0	Hold Down Tape Width	12.0 ± 1.0	12.0 ± 1.0	12.0 ± 1.0	12.0 ± 1.0	12.0 ± 1.0	12.0 ± 1.0	12.0 ± 1.0
W1	Hold Position	9.0 ± 0.5	9.0 ± 0.5	9.0 ± 0.5	9.0 ± 0.5	9.0 ± 0.5	9.0 ± 0.5	9.0 ± 0.5
W2	Hold Down Tape Position	3.0max	3.0max	3.0max	3.0max	3.0max	3.0max	3.0max
H_0	Height from Tape Center to Component	16.0 ± 1.0	16.0 ± 1.0	16.0 ± 1.0	16.0 ± 1.0	16.0 ± 1.0	16.0 ± 1.0	16.0 ± 1.0
H	Height from Tape Center to Component	20.0 ± 2.0	20.0 ± 2.0	20.0 ± 2.0	20.0 ± 2.0	20.0 ± 2.0	20.0 ± 2.0	20.0 ± 2.0
l	Lenghth of Clipped Lead	1.0max	1.0max	1.0max	1.0max	1.0max	1.0max	1.0max
D0	Feed Hole Diameter	4.0 ± 0.2	4.0 ± 0.2	4.0 ± 0.2	4.0 ± 0.2	4.0 ± 0.2	4.0 ± 0.2	4.0 ± 0.2
t	Total Tape Thickness	0.6 ± 0.3	0.6 ± 0.3	0.6 ± 0.3	0.6 ± 0.3	0.6 ± 0.3	0.6 ± 0.3	0.6 ± 0.3
B	Height from Tape Center to Component	30max	32max	32max	36max	40max	45max	45max

UNIT: mm

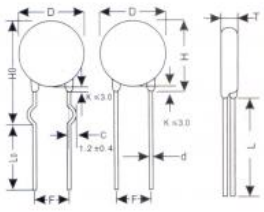
Specifications are subject to change without notice, please contact our sales office ordering.

ZINC OXIDE VARISTOR

Materials And Marking



DIMENSION



L0: 15mm min. L: 20mm min.

Sizes	MAX			d	F	C
	D	H	H0	±0.05		±0.4
03D	4.5	7.5	10	0.5	4.0±0.5	1.2
05D	7.5	10.5	13	0.6	5±0.8	
07D	9	12	13.5	0.6	5±0.8	
10D	12.5	16.5	17.5	0.8	7.5±0.8	1.4
14D	16.5	20	21	0.8	7.5±0.8	
18D	20	24.5	26	0.8	7.5±0.8	1.4
				1.0	10±1.0	1.6
20D	23	26.5	28	0.8	7.5±0.8	1.4
				1.0	10±1.0	1.6
25D	28	32	34	1.0	10±1.0	1.6
					27±1.0	

Or customes Reguirunt

T Thickness (max.) (Unit: mm)

Part Code	03D	05D	07D	10D	14D	18D	20D	25D
180L	4.5	4.5	4.5	4.6	4.6	4.8	4.8	4.8
220K	4.6	4.6	4.6	4.7	4.7	4.9	4.9	4.9
270K	4.7	4.7	4.7	4.8	4.8	5.0	5.0	5.0
330K	4.9	4.9	4.9	5.0	5.0	5.2	5.2	5.2
390K	4.8	4.8	4.8	5.3	5.3	5.5	5.5	5.5
470K	4.9	4.9	4.9	5.4	5.4	5.6	5.6	5.6
560K	5.0	5.0	5.0	5.5	5.5	5.7	5.7	5.7
680K	5.2	5.2	5.2	5.6	5.6	5.8	5.8	5.8
820K	4.1	4.1	4.1	4.7	4.7	4.9	4.9	4.9
101K	4.3	4.3	4.3	4.9	4.9	5.1	5.1	5.1
121K	4.5	4.5	4.5	5.1	5.1	5.3	5.3	5.3
151K	4.8	4.8	4.8	5.4	5.4	5.6	5.6	5.6
181K	4.3	4.3	4.3	4.8	4.8	5.0	5.0	5.2
201K	4.4	4.4	4.4	5.0	5.0	5.2	5.2	5.4
221K	4.5	4.5	4.5	5.1	5.1	5.3	5.3	5.5
241K	4.6	4.6	4.6	5.2	5.2	5.4	5.4	5.6
271K	4.9	4.9	4.9	5.4	5.4	5.5	5.6	5.8
301K	5.0	5.0	5.0	5.5	5.5	5.7	5.7	5.9
331K	5.1	5.1	5.1	5.8	5.8	6.0	6.0	6.1
361K	5.2	5.2	5.2	6.0	6.0	6.2	6.2	6.4
391K	5.4	5.4	5.4	6.2	6.2	6.4	6.4	6.6
431K	5.7	5.7	5.7	6.5	6.5	6.7	6.7	6.9
471K	6.0	6.0	6.0	6.7	6.7	6.9	6.9	7.1
511K	6.0	6.2	6.2	6.8	6.8	7.0	7.0	7.2
561K	6.0	6.5	6.5	7.0	7.0	7.2	7.2	7.4
621K	–	–	7.1	7.3	7.3	7.5	7.5	7.7
681K	–	–	7.3	7.6	7.6	7.8	7.8	8.0
751K	–	–	–	8.0	8.0	8.2	8.2	8.4
781K	–	–	–	8.1	8.1	8.3	8.3	8.5
821K	–	–	–	8.3	8.3	8.5	8.5	8.7
911K	–	–	–	8.8	8.8	9.0	9.0	9.2
102K	–	–	–	9.3	9.3	9.5	9.5	9.7
112K	–	–	–	9.9	9.9	10.1	10.1	10.3
122K	–	–	–	–	10.4	10.6	10.6	10.8
182K	–	–	–	–	13.0	–	13.2	–

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

● 14D Specifiation

Put "J" In Free Code Stands For High Surge Series

ZOV Part Number		Maximum Allowable Voltage		Varistor Voltage	Clamping voltage (Max.)		Maximum Peak Current (8/20μs)		Maximum Energy (10/1000μs)		Rated Power	Typical Capacitance (Reference)			
ø14.0mm		AC.rms	DC	V1.0mA	VC	IP	Standard	High Surge	Standard	High Surge		@ 1 KHz			
Standard	High Surge	(V)	(V)	(V)	(V)	(A)	(A)		(JOULE)			(pf)			
14D180L	J	11	14	18(15-21)	36				4.0	7.0		11100	*	*	*
14D220K	J	14	18	22(20-24)	43				5.0	8.0		9100	*	*	*
14D270K	J	17	22	27(24-30)	53				6.0	10		7400	*	*	*
14D330K	J	20	26	33(30-36)	65				7.5	12		6100	*	*	*
14D390K	J	25	31	39(35-43)	77				8.6	13		5100	*	*	*
14D470K	J	30	38	47(42-52)	93	10	1000	2000	10.0	17	0.1	4300	*	*	*
14D560K	J	35	45	56(50-62)	110				11.0	20		3600	*	*	*
14D680K	J	40	56	68(61-75)	135				14.0	24		2900	*	*	*
14D820K	J	50	65	82(74-90)	135				22.0	27		2400	*	*	*
14D101K	J	60	85	100(90-110)	165				28.0	33		2000	*	*	*
14D121K	J	75	100	120(108-132)	200				32.0	40		1700	*	*	*
14D151K	J	95	125	150(135-165)	250				40.0	53		1300	*	*	*
14D181K	J	115	150	180(162-198)	300				50.0	60		1100	*	*	*
14D201K	J	130	170	200(185-225)	340				57.0	70		1000	*	*	*
14D221K	J	140	180	220(198-242)	360				60.0	78		900	*	*	*
14D241K	J	150	200	240(216-264)	395				63.0	84		830	*	*	*
14D271K	J	175	225	270(243-297)	455				70.0	99		740	*	*	*
14D301K	J	190	250	300(270-330)	500				77.0	108		670	*	*	*
14D331K	J	210	275	330(297-363)	550	50	4500	6000	85.0	115	0.6	610	*	*	*
14D361K	J	230	300	360(324-396)	595				93.0	130		560	*	*	*
14D391K	J	250	320	390(351-429)	650				100	140		510	*	*	*
14D431K	J	275	350	430(387-473)	710				115	155		460	*	*	*
14D471K	J	300	385	470(423-517)	775				125	175		430	*	*	*
14D511K	J	320	415	510(459-561)	845				125	180		390	*	*	*
14D561K	J	350	460	560(504-616)	925				125	185		360	*	*	*
14D621K	J	385	505	620(558-682)	1025				125	190		320	*	*	*
14D681K	J	420	560	680(612-748)	1120				130	200		290	*	*	*
14D751K	J	460	615	750(675-825)	1240				143	210		270	*	*	*
14D781K	J	485	640	780(702-858)	1290				148	220		260	*	*	*
14D821K	J	510	670	820(738-902)	1355				157	235		240	*	*	*
14D911K	J	550	745	910(819-1001)	1500				175	255		220	*	*	*
14D102K	J	625	825	1000(900-1100)	1650				190	280		200	*	*	*
14D112K	J	680	895	1100(990-1210)	1815				213	310		180	*	*	*
14D122K	J	700	990	1200(1080-1320)	1880				213	310		150		*	*
14D182K	J	1100	1465	1800(1620-1980)	2970			5000	250	335		130		*	

The MOV 14mm Series Varistor Surge Absorber is an overvoltage protection product, using Metal Oxide Varistor (MOV) technology to protect electrical circuits from voltage transients induced by lightning and other transient voltage events. It is designed to absorb surges up to 32J and has a maximum current capacity of 100-400A (8/20μs). It is suitable for DC voltage protection applications in a range of 14V-615V. It also has a high absorption energy of 0.4-22.4J (10/1000μs) and an operating voltage range of 18V-750V. MYG overvoltage protection varistor is an ideal protection solution for applications that require high surge absorption and reliable overvoltage protection.

Features:

Product Name: MOV Varistor
High Surge: 0.6-32J
Maximum allowable voltage: DC 14V-615V
Power consumption: 0.01-0.1(W)
Reference capacitance: 1400-30(@1KHZ(pf)
Overvoltage protection
Surge absorbing varistor
MYG overvoltage protection varistor
MOV 20mm series varistor surge absorber

Technical Parameters:

Parameter	Value
Size	5mm
Storage Temperature	-40 ~+105
Power consumption	0.01-0.1(W)
Maximum absorbed energy (10/1000)us	0.4-22.4(J)

Maximum allowable voltage	DC 14V-615V
Product name	MOV Varistor
Maximum current capacity (8/20) us	100-400(A)
Inhibition voltage (8/20) us	Vc 40-1240v
Varistor operating voltage	18V-750V
High Surge	0.6-32J

Applications:

LIN KUN MOV varistor is a surge absorber and designed for use in a wide range of applications. It is available in three different series: 5mm, 10mm and 20mm. With a maximum allowable voltage of DC 14V-615V, a reference capacitance of 1400-30(@1KHZ(pf) and varistor operating voltage of 18V-750V, it is suitable for many different applications. It also has a maximum current capacity of 100-400(A) 8/20 us.
The MOV varistor series from LIN KUN is suitable for many different applications, including power supplies, industrial control systems, communication systems, consumer electronics, automotive electronics, electronic instruments and more. This series of varistors is ideal for protecting electronic devices from overvoltage and overcurrent conditions. It also offers excellent noise immunity, low leakage current, low capacitance and fast response time.
The MOV varistor from LIN KUN is highly reliable and capable of withstanding large amounts of current and voltage. It is also designed to provide superior thermal stability and long-term stability. It is RoHS compliant and meets the highest international standards.
The MOV varistor series from LIN KUN is the perfect choice for any application that requires surge protection and high-quality performance. With its wide range of features, this series is sure to meet the needs of all types of users.

Customization:

LIN KUN MOV Varistor

LIN KUN MOV Varistor is a surge absorbing varistor with overvoltage protection, designed for MYG overvoltage protection. It is a high-performance product with features including:
Brand Name: LIN KUN

Model Number: MOV Varistor

Place of Origin: China

Maximum absorbed energy (10/1000)us: 0.4-22.4(J)

High Surge: 0.6-32J

Varistor operating voltage: 18V-750V

Power consumption: 0.01-0.1(W)

Maximum allowable voltage: DC 14V-615V
LIN KUN MOV Varistor is the ideal choice for overvoltage protection and surge absorbing. It is widely used in many applications due to its superior performance and reliability. With its advanced technology and superior quality, LIN KUN MOV Varistor is the perfect solution for your needs.

Support and Services:

MOV Varistor Technical Support and Service

We offer technical support and service for MOV Varistor products. Our team of engineers are knowledgeable and experienced in all aspects of MOV Varistor design and implementation. We provide support and advice on selecting the right MOV Varistor for your application, as well as troubleshooting and resolving any problems you may have.
We offer comprehensive resources to assist in the design and implementation of your MOV Varistor. Our library of technical documents includes application notes, circuit diagrams, user manuals, and datasheets. We also provide free product evaluation and testing services. If you have any questions or would like to discuss your MOV Varistor needs, please contact us. We look forward to helping you get the most out of your MOV Varistor.

Packing and Shipping:

MOV varistor packaging and shipping:

The MOV varistor should be shipped in a sealed package.

The package should be clearly labeled with the product name.

The package should be protected from any external damage during shipping.

The package should be temperature-controlled to prevent damage.

FAQ:

Q&A

Q: What is a MOV varistor?

A: MOV varistor is a kind of protection device that can absorb surge current and protect the circuit from overvoltage damage. It is also known as a surge absorber.

Q: What is the brand of the MOV varistor?

A: The brand name of the MOV varistor is LIN KUN.

Q: What is the model number of the MOV varistor?

A: The model number of the MOV varistor is MOV varistor.

Q: Where is the MOV varistor made?

A: The MOV varistor is made in China.

Q: What are the features of the MOV varistor?

A: The MOV varistor has excellent surge absorption performance, fast response speed, excellent insulation performance, wide operating temperature range, etc.

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