

SOCAY

07d 471k

Negotiable AMMO packing

5-8 work days

Metal Oxide Varistor

470(423~517)V

Φ7mm 300V

385V

10A

775V 0.25W

MOV Metal Oxide Varistor 7D 10D 14D 20D 301K 331K 361K 511 621 751 911 102K

Shenzhen, Guangdong, China

VDE ,UL,REACH,RoHS,ISO

Basic Information

- Place of Origin:
- Brand Name:
- Certification:
- Model Number:
- Minimum Order Quantity: 1000PCS
- Price:
- Packaging Details:
- Delivery Time:

SOCAY®

Product Specification

- Description:
- Package Type:
- VAC:
- VDC:
- Varistor Voltage:
- IP:
- VC:
- Rated Power:

Material:Highlight:

- Typ. Capacitance:
- 100pF Zinc Oxide
- Metal Oxide Varistor 14D, Metal Oxide Varistor 301K



More Images

SOCAY



for more products please visit us on socaydiode.com

Our Product Introduction

Product Description

Socay Factory MOV Varistor 7d 10d 14d 20d 301k 331k 361k 511 621 751 911 102K

DATASHEET: 07D Series_v2306.1.pdf

Type Numbo	er	Max m Allo ble volt		Varistor Voltage	Cla r	kimu m impi ig tage	v	Su	andin rge rent	•	Maxin Ener (10/10)		Rated Powe r	Typical Capacit ance (Refere nce)
Stand ard	, U		V _{DC} (V)	V1mA (V)	І _Р (А)	V _C (V)	•	A) dard 2 Time	HÌ	gĥ rae	(J) Standa rd	(J) High Surg e	(W)	@1KHZ (pf)
07D18	07D18			18(15~2				s	<u> </u>	s				
0K	0KJ	11	14	1.6)	2.5	36	250	125	500	250	0.9	2.0	0.02	2800
0K	07D22 0KJ	14	18	22(19.5~ 26)	2.5	43	250	125	500	250	1.1	2.4	0.02	2300
	07D27 0KJ	17	22	27(24~3 0)	2.5	53	250	125	500	250	1.4	3.0	0.02	1800
07D33 0K	07D33 0KJ	20	26	33(29.5~ 36.5)	2.5	66	250	125	500	250	1.7	3.5	0.02	1500
07D39	07D39 0KJ	25	31	39(35~4 3)	2.5	77	250	125	500	250	2.1	4.0	0.02	1300
07D47	07D47	30	38	47(42~5	2.5	93	250	125	500	250	2.5	5.0	0.02	1100
	0KJ 07D56	35	45	4) 56(50~6	2.5	110	250	125	500	250	3.1	6.0	0.02	900
•••	0KJ 07D68	40		2) 68(61~7	<u> </u>		250	125		250	3.6	7.0	0.02	740
0K 07D82	0KJ 07D82		00	5) 82(74~9										
0K	0KJ 07D10	50	65	0) 100(90~	10	135	1200				5.5		0.25	600
1K	1KJ	60	85	110)	10	165	1200	600	1750	1250	6.5	12.0	0.25	500
1K	07D12 1KJ	75	100	120(108 ~132)	10	200	1200	600	1750	1250	7.8	13.0	0.25	420
	07D15 1KJ	95	125	150(135 ~165)	10	250	1200	600	1750	1250	9.7	13.0	0.25	330
07D18 1K	07D18 1KJ	115	150	180(162 ~198)	10	300	1200	600	1750	1250	11.7	16.0	0.25	280
07D20 1K	07D20 1KJ	130	170	200(180 ~220)	10	340	1200	600	1750	1250	13.0	17.0	0.25	250
07D22	07D22 1KJ	140	180	220(198 ~242)	10	360	1200	600	1750	1250	14.0	19.0	0.25	230
07D24	07D24	150	200	240(216	10	395	1200	600	1750	1250	15.0	21.0	0.25	210
	1KJ 07D27	175	225	~264) 270(243 ~297)	10	455	1200	600	1750	1250		24.0		185
	1KJ 07D30	<u> </u>		300/270										
1K	1KJ	190	250	~330)	10	500	1200	600	1750	1250	20.0	26.0	0.25	165
1K	IINJ	210	275	330(297 ~363)	10	550	1200	600	1750	1250	23.0	28.0	0.25	150
07D36 1K	07D36 1KJ	230	300	360(324 ~396)	10	595	1200	600	1750	1250	25.0	32.0	0.25	140
	07000	250	320	390(351 ~429)	10	650	1200	600	1750	1250	25.0	35.0	0.25	130
07D43	07042	275	350	430(387 ~473	10	710	1200	600	1750	1250	28.0	40.0	0.25	115
07D47	07D47	300	385	470(423	10	775	1200	600	1750	1250	30.0	42.0	0.25	105
	07D51	320		~517) 510(459	10		1200		1750	1250	30.0	45.0	0.25	100
	1KJ 07D56			~561) 560(504			<u> </u>			1250		49.0		
1K	1KJ	350 005	<u> </u>	~616) 620(558		925 102	1200							90
1K	1KJ	385	505	~682)	10	5	1200			1250		55.0	<u> </u>	80
1K	IKJ	420	560	680(612 ~748)	10	112 0	1200	600	1750	1250	33.0	60.0	0.25	75
1K	07D75 1KJ	460	615	750(675 ~825)	10	124 0	1200	600	1750	1250	67.2	65.0	0.25	70
07D78 1K	07D78 1KJ	485	640	780(702 ~858)	10	129 0	1200	600	1750	1250	67.2	65.0	0.25	70

μĸ	lika		ľ	~902)	10	135 5	1200	600	1750	1250	67.2	70.0	0.25	60
		ige>3		K is ±10%	6		1	1		1	1			
				®										
	Cs	oc	AY	0										
				1070471K		0704	71K		07047	×				
				9.4					- Port	1				
						T			T					
								l		1				
						5			ų					

About MOV Varistor

The resistor material of the varistor is a semiconductor, so it is one type of resistor. At present, most zinc oxide varistors are used. Its main raw materials are composed of divalent elements and hexavalent element O. Therefore, from the perspective of raw materials, zinc oxide varistor is a compound semiconductor material oxide semiconductor. The relationship between the lightning protection effect of MOV multilayer varistor and the working voltage The function of the varistor in the circuit is for relay protection and resistance to electric shock. The relay protection function of the varistor in the circuit can usually be combined with the current fuse to protect against electric shock where the relationship entry what is the relationship approaches and the variation of the varistor of the varistor in the circuit can usually be combined with the current fuse to protect against

electric shock or other relays. When selecting a type, what is the relationship between the lightning protection effect of the varistor and the voltage?

The voltage and current intensity of a varistor do not follow the Euclidean law but exhibit a nonlinear dependence. When the voltage applied on both sides is less than the nominal voltage, the resistance of the varistor is close to infinite, and there is almost no current passing through it.

When the voltage applied on both sides is slightly higher than the nominal voltage value, the varistor will quickly break down and conduct, and change from a high resistance state to a low resistance state, and the operating current will also increase rapidly. When the voltage applied on both sides is lower than the nominal voltage value, the varistor returns to its high resistance state. When the voltage applied on both sides exceeds the specified voltage value, the varistor will all break down and be destroyed, and will no longer be able to recover on its own.

Therefore, the relationship between the voltage of the varistor and the lightning protection effect is not that the higher the voltage, the better the lightning protection effect. The larger the voltage of the varistor, it will only make its overlapping function better. Quality is the lifeline of an enterprise and one of the magic weapons that establishes its competitiveness. Capacitor is one of the essential components in our closely related electronic equipment.

Description:

The 07D series radial leaded varistors provides an ideal circuit protection solution for lower DC voltage applications by offering higher surge ratings than ever before available in such small discs.

The maximum peak surge current rating can reach up to 1.75KA (8/20 µs pulse) to protect against high peak surges, including indirect lightning strike interference, system switching transients and abnormal fast transients from the power source.

Material	No Radioactive Material
Operating Temperature	-40 ~ +85
Storage Temperature	-55 ~ +125
Body	Nickel Plated
Leads	Tin Plated
Devices with No lead	Nickel Plated

Item		Test Condition / Descri	ption	Requirement
Maximum Allowable			e (RMS) or the maximum DC	
Voltage Varistor Voltage	voltage can be applie The voltage between		specified measuring curren	t
variation voltage	1mA.DC applied is ca		nals with the specification	_
Maximum Clamping Voltage	1.0	епt. 20µs 	30% Max	To meet the specified value
Rated Wattage	The maximum avera ambient temperature.		applied within the specified	t
Energy		within the varistor voltage or 2 msec. is applied.	e change of ±10% when one	
Withstanding Surge Current		t within the varistor voltag rent (8/203sec.) applied on	ge change of±10% with the ne time	3
Varistor Voltage Temp. Coefficient	Vb at 20°0 Vb at	$\frac{1}{20^{\circ}\text{C}} \times \frac{1}{50}$	≺ 100(% / °C)	0.05%/°⊂ max
			the impulse listed below is rval often seconds at room	
	5D Series	180K to 680K	10A (8/20µs)	
	ou series	820K to 751K	20A (8/20µs)	
	7D Series	180K to 680K	25A (8/20µs)	
Surge Life		820K to 821K	50A (8/20µs)	$\triangle Vb / Vb \le \pm 10\%$
	10D Series	180K to 680K	50A (8/20µs)	
		820K to 112K	100A (8/20µs)	
	14D Series	180K to 680K	75A (8/20µs)	
		820K to 182K 180K to 680K	150A (8/20µs) 100A (8/20µs)	
	20D Series	820K to 182K	200A (8/20µs)	
		020K 10 102K	200A (0/20µs)	
Part Numbering	1	Par	t Marking	·

 Of D XXX K J J: High Surge, without: Standard Tolerance: K: ±10%, L: ±15%, M: ±20% Varistor Voltage Type: D: Disk, S: Square Element Diameter
 With a line: High Surge Without: Standard UL Accreditation Logo TODXXXX VDE Accreditation Logo

 Packaging Information

 Part Number
 Quantity
 Packaging Option
 Packaging Specification Bulk Pack

 07DXXXXX
 1000
 Plastic bag
 Bulk Pack

ackage Dimens	sions Unit: mm				
TAB	LE1		TAB	LE2	
Symbol	Dimensions	Model	T(max.)	Model	T(max.)
H(max.)	12.0	180K	4.50	241K	4.60
H1(max.)	12.0	220K	4.60	271K	4.90
(min.)	15.0	270K	4.70	301K	5.00
nin.)	15.0	330K	4.90	331K	5.10
x.)	9.0	390K	4.80	361K	5.20
.8)	5.0	470K	4.90	391K	5.40
ix.)	TABLE2	560K	5.00	431K	5.70
5)	0.6	680K	5.20	471K	6.00
(5)	0.6	820K	4.10	511K	6.20
		101K	4.30	561K	6.50
		121K	4.50	621K	7.10
		151K	4.80	681K	7.30
		181K	4.30	751K	7.06
		201K	4.40	781K	7.24
		221K	4.50	821K	7.28

If you need full datasheet or more details ,please contact us freely .

SOCAY The main products involve various types of GDTs, Themperature NTc, Mosfets ,IC. diodes, capacitors, resistors and inductors etc components. At present, there are four production bases in China, which are located in Jiangxi, SHENZHEN, Anghui and shijiazhuang. In terms of products research and development, we have obtained a series of product patents under SOCAY's continuous technological innovation. Based on independent research and development capabilities, SOCAY can meet the needs of various customized products

C	+8618126201429	sylvia@socay.com	Socaydiode.com