

MoV 7D561K 500V High Voltage Varistor Zov 07D511 Resistor

Basic Information

• Place of Origin: Shenzhen, Guangdong, China

• Brand Name: SOCAY

Certification: UL,REACH,RoHS,ISO
 Model Number: 07D561K/07D561KJ

Minimum Order Quantity: 1000PCS
 Price: Negotiable
 Delivery Time: 5-8 work days



Product Specification

Product Name: Metal Oxide Varistor

Package Type: Φ7mm
 VAC: 320V
 VDC: 415V

• Varistor Voltage: 510(459~561)V

IP: 10A
 VC: 845V
 Rated Power: 0.25W
 Typ. Capacitance: 100pF

• Highlight: MoV 7D561K, High Voltage Varistor Zov,

500V High Voltage Varistor



More Images



Product Description

500V Series High Voltage Mov 7D 561K Zov Varistor 07D511 Resistor

DATASHEET: 07D Series_v2306.1.pdf

		Max	imu		Max	kimu					Maxin	num		Typical
Number				Varistor	Clampi		Withstanding Surge			ı	٠,	$\mathbf{p}_{\mathbf{Q}}$	Typical Capacit ance	
				Voltage			Current				(10/1000µs ['])		r	(Refere
		voit	age		Voltage		I(A) I(A)			<u>'</u>			nce)	
Stand	Hiah	V	V _{DC}	V1mA	l _P	۷c	١,	dard		gh rge	(J)	(J) High		@1KHZ
	Surge	(V)		(V)	(A)		1	2	1	2	tanda rd	Surg	(W)	(pf)
							Time	Time s	Time	Time s		e		
07D18 0K	07D18 0KJ	11	14	18(15~2 1.6)	2.5	36	250	125	500	250	0.9	2.0	0.02	2800
-	07D22 0KJ	14	18	22(19.5~ 26)	2.5	43	250	125	500	250	1.1	2.4	0.02	2300
07D27	07D27	17	22	27(24~3	2.5	53	250	125	500	250	1.4	3.0	0.02	1800
	0KJ 07D33	20	26	0) 33(29.5~	2.5	66	250	125	500	250	1.7	3.5	0.02	1500
I .	0KJ 07D39	25	31	36.5) 39(35~4	2.5	77	250	125	500	250	2.1	4.0	0.02	1300
0K 07D47	0KJ 07D47	30		3) 47(42~5		93	250	125	500	250	2.5	5.0	0.02	1100
0K 07D56	0KJ 07D56	35	45	4) 56(50~6	_		250	125	500	250		6.0		900
0K 07D68	0KJ 07D68	40		2) 68(61~7										
0K	0KJ 07D82		50	5) ` 82(74~9	2.5		250	125		250	3.6	7.0	0.02	740
0K	0KJ 07D10	50	65	0) 100(90~	10	135	1200	600	1750	1250	5.5	10.0	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
1K	07D15 1KJ	95	125	150(135 ~165)	10	250	1200	600	1750	1250	9.7	13.0	0.25	330
1K	07D18 1KJ	115	150	180(162 ~198)	10	300	1200	600	1750	1250	11.7	16.0	0.25	280
1K	07D20 1KJ	130	170	200(180 ~220)	10	340	1200	600	1750	1250	13.0	17.0	0.25	250
07D22 1K	07D22 1KJ	140	180	220(198 ~242)	10	360	1200	600	1750	1250	14.0	19.0	0.25	230
07D24 1K	07D24 1KJ		200	240(216 ~264)	10	395	1200	600	1750	1250	15.0	21.0	0.25	210
07D27 1K	07D27 1KJ	175	225	270(243 ~297)	10	455	1200	600	1750	1250	18.0	24.0	0.25	185
07D30 1K	07D30 1KJ	190	250	300(270 ~330)	10	500	1200	600	1750	1250	20.0	26.0	0.25	165
07D33 1K	07D33 1KJ	210	275	330(297 ~363)	10	550	1200	600	1750	1250	23.0	28.0	0.25	150
	07D36 1KJ	230	300	360(324 ~396)	10	595	1200	600	1750	1250	25.0	32.0	0.25	140
	07D39 1KJ	250	320	390(351 ~429)	10	650	1200	600	1750	1250	25.0	35.0	0.25	130
	07D43 1KJ	275	350	430(387 ~473	10	710	1200	600	1750	1250	28.0	40.0	0.25	115
	07D47 1KJ	300	385	470(423 ~517)	10	775	1200	600	1750	1250	30.0	42.0	0.25	105
	07D51 1KJ	320	415	510(459 ~561)	10	845	1200	600	1750	1250	30.0	45.0	0.25	100
	07D56 1KJ	350	460	560(504 ~616)	10	925	1200	600	1750	1250	30.0	49.0	0.25	90
	07D62 1KJ	385	505	620(558 ~682)	10	102 5	1200	600	1750	1250	33.0	55.0	0.25	80
07D68	07D68	420	560	680(612	10	112	1200	600	1750	1250	33.0	60.0	0.25	75
	1KJ 07D75	460		~748) 750(675	10	0 124	1200		1750	1250	67.2	65.0	0.25	70
	1KJ 07D78	485		~825) 780(702	10	0 129	1200			1250		65.0		70
1K	1KJ		ا ا	~858)	Ľ	0	-===				J	55.5		

07D82	07D82	510 67	0 820(738	10	135	1200 60	00 1750	1250	67.2	70.0	0.25	60
1K	1KJ	l I	° ~902)	1	b	1 1		1	l		l	

Remark: Voltage>33V, K is ±10%





About Varistor

Varistor, referred to as MOV, is a voltage-sensitive nonlinear overvoltage protection semiconductor component. In order to adapt to the space size requirements of equipment miniaturization and meet the needs of functional upgrades, power supply, battery management and dedicated system functions all require highly integrated advanced solutions. These are major issues that should be solved for successful consumer electronics system design. How to improve the circuit protection level of consumer electronics products? Can overvoltage device varistors be used for surge protection in consumer electronics? The working principle of the varistor is that it has high interference when there is no instantaneous overvoltage, but its impedance will continue to decrease as the surge current and voltage increase, and its current and voltage characteristics are strongly nonlinear.

What is the function of varistor?

The response time of the varistor is ns level, which is faster than the air discharge tube and slightly slower than the TVS tube. Generally, its response speed can meet the requirements for over-voltage protection of electronic circuits. The junction capacitance of a varistor is generally in the order of hundreds to thousands of Pf. In many cases, it is not suitable to be directly used in the protection of high-frequency signal lines. When used in the protection of AC circuits, its large junction capacitance will increase leakage. Current needs to be fully considered when designing protective circuits. The flow capacity of the varistor is larger, but smaller than that of the gas discharge tube.

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.

Features:

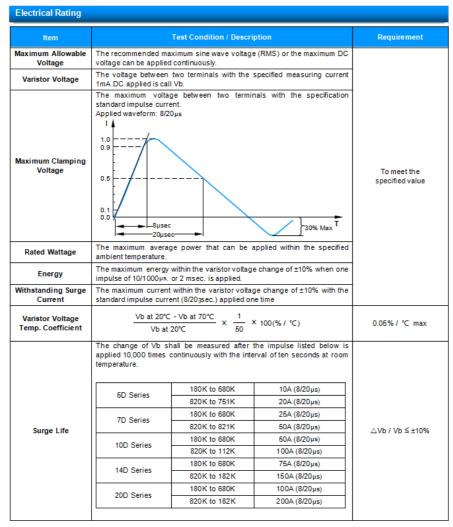
- u Wide operating voltage (V1mA) range from 18V to 820V
- u Fast responding to transient over-voltage
- u Large absorbing transient energy capability
- u Low clamping ratio and no following-on current
- u Meets MSL level 1, per J-STD-020

Applications:

Power supply systems, surge suppressors, security systems, motor protection, automotive electronic systems, household appliances etc

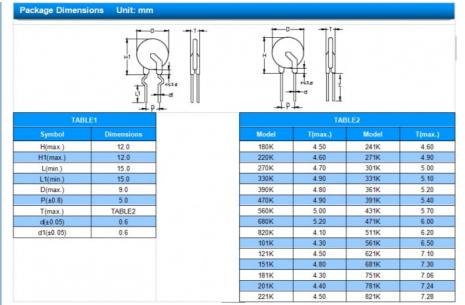
Material	No Radioactive Material
Operating Temperature	-40 ~ +85

Storage Temperature	-55 ~ +125
Body	Nickel Plated
Leads	Tin Plated
Devices with No lead	Nickel Plated





Packaging Information Part Number Quantity Packaging Option Packaging Specification 07DXXXXX 1000 Plastic bag Bulk Pack



Please do not hesitate to contact us soon for further information. Your OEM/ODM orders are welcome. We are looking forward to establishing cooperative relationships with you in the near future



+8618126201429

sylvia@socay.com

socaydiode.com

4/F, Block C, HeHengXing Science & Technology Park, 19 MinQing Road, LongHua District, Shenzhen City, GuangDong Province, China