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

Basic Information

• Place of Origin:

SOCAY®

- Brand Name:
- Certification:
- Model Number:
- Minimum Order Quantity: 1
- Price: Ne

socaydiode.com

• Delivery Time:

07D561K/07D561KJ 1000PCS Negotiable

UL,REACH,RoHS,ISO

Shenzhen, Guangdong, China

Shenzhen Socay Electronics Co., Ltd.

5-8 work days

SOCAY

SOCAY®

Product Specification

- Product Name:
- Package Type:
- VAC:
- VDC:
- Varistor Voltage:
- IP:

• Highlight:

- VC:
- Rated Power:
- Typ. Capacitance:
- 510(459~561)V 10A 845V 0.25W 100pF

Metal Oxide Varistor

Φ7mm 320V

415V

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

Type Number				Varistor Voltage	Maximu m Clampi ng Voltage		Withstanding Surge Current					Rated Powe r	Typical Capacit ance (Refere nce)	
Stand ard	U U		V _{DC} (V)	V1mA (V)		V _C (V)	· ·	A) dard 2 Time	HÌ	A) gh rge 2 Time	(J) Standa rd	(J) High Surg e	(W)	@1KHZ (pf)
07D18	07D18	11	14	18(15~2	2.5	36	250	s 125	500	s 250	0.9	2.0	0.02	2800
-	0KJ 07D22	14	18	1.6) 22(19.5~	2.5	43	250	125	500 500	250	1.1	2.0	<u> </u>	2300
07D27	0KJ 07D27	17		26) 27(24~3	2.5	-	250 250		500 500	250	1.4	2. 4 3.0	0.02	1800
07D33	0KJ 07D33	20	26	0) 33(29.5~	<u> </u>		250	125	500	250	1.7	3.5	0.02	1500
	0KJ 07D39	0 25		36.5) 39(35~4	2.5		250	125	500		2.1	4.0	0.02	1300
07D47	0KJ 07D47	30	-	3) 47(42~5		93	250	125	500	250	2.5	5.0	0.02	1100
	0KJ 07D56	35	45	4) 56(50~6	<u> </u>		250		500			6.0		900
07D68	0KJ 07D68	40	56	2) 68(61~7	<u> </u>	<u> </u>	250 250	125	500	250	3.6	7.0	0.02	740
07D82	0KJ 07D82	50		5) 82(74~9	10	135	1200			1250				600
07D10	0KJ 07D10		85	0) 100(90~	10		1200			1250				500
	1KJ 07D12	75	100	110) 120(108	10	200	1200			1250			0.25	420
	1KJ 07D15	95	125	~132) 150(135		250	1200			1250		<u> </u>	0.25	330
	1KJ 07D18	<u> </u>	150	~165) 180(162	10	300	1200			1250				280
	1KJ 07D20	130	170	~198) 200(180	10	340	1200		1750	1250	13.0		0.25	250
	1KJ 07D22	140	180	~220) 220(198	10	360	1200	600	1750	1250	14.0	19.0	0.25	230
-	1KJ 07D24	150	200	~242) 240(216	10	395	1200	600	1750	1250	15.0	21.0	0.25	210
	1KJ 07D27 1KJ	175	225	~264) 270(243 ~297)	10	455	1200	600	1750	1250	18.0	24.0	0.25	185
	07D30 1KJ	190	250	~297) 300(270 ~330)	10	500	1200	600	1750	1250	20.0	26.0	0.25	165
	07D33 1KJ	210	275	330(297	10	550	1200	600	1750	1250	23.0	28.0	0.25	150
	07D36 1KJ	230	300	~363) 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
	07042	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	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
	07000	385	505	620(558 ~682)	10	102 5	1200	600	1750	1250	33.0	55.0	0.25	80
07D68	07D68 1KJ	420	560	680(612 ~748)	10	0 112 0	1200	600	1750	1250	33.0	60.0	0.25	75
	07D75 1KJ	460	615	750(675 ~825)	10	0 124 0	1200	600	1750	1250	67.2	65.0	0.25	70
	07D78 1KJ	485	640	780(702 ~858)	10	0 129 0	1200	600	1750	1250	67.2	65.0	0.25	70

Our Product Introduction

07D8207D82 510 670 820(738 1K 1KJ 510 670 ~902) Remark: Voltage>33V, K is ±10		0 1750 1250 67.2	70.0 0.25 60
SOCAY®			
070471K	92070471K	STORY IN BOLL	

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

		Test Condition / Descri	iption	Requirement				
Maximum Allowable	DC							
Voltage	voltage can be applied The voltage between	rost						
Varistor Voltage	1mA.DC applied is ca	ent						
Maximum Clamping Voltage	The maximum volta standard impulse curr Applied waveform: 8/2 1.0 0.9 0.5 0.5 0.1 0.0 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9	To meet the specified value						
Rated Wattage	The maximum avera ambient temperature.	ge power that can be	applied within the spec	fied				
Energy	The maximum energy	The maximum energy within the varistor voltage change of ±10% when one impulse of 10/1000µs. or 2 msec. is applied.						
Withstanding Surge Current	The maximum curren	the						
Varistor Voltage Temp. Coefficient $\frac{Vb \text{ at } 20^{\circ}\text{C} - Vb \text{ at } 70^{\circ}\text{C}}{Vb \text{ at } 20^{\circ}\text{C}} \times \frac{1}{50} \times 100(\% / \degree\text{C})$				0.05%/°C max				
Surge Life	temperature. 5D Series 7D Series 10D Series	180K to 680K 820K to 751K 180K to 680K 820K to 821K 180K to 680K 820K to 112K	10A (8/20μs) 20A (8/20μs) 25A (8/20μs) 50A (8/20μs) 50A (8/20μs) 100A (8/20μs)					
	14D Series 20D Series	180K to 680K 820K to 182K 180K to 680K 820K to 182K	75A (8/20μs) 150A (8/20μs) 100A (8/20μs) 200A (8/20μs)					
Part Numbering		820K to 182K 180K to 680K 820K to 182K	150A (8/20μs) 100A (8/20μs) 200A (8/20μs)					
Part Numbering		820K to 182K 180K to 680K 820K to 182K	150A (8/20μs) 100A (8/20μs)					
		820K to 182K 180K to 680K 820K to 182K Pai dard With 100K	150A (8/20µs) 100A (8/20µs) 200A (8/20µs) rt Marking nime: High Surge put: Standard	Logo Produd Type VDE Accreditation Log				

 Part Number
 Quantity
 Packaging Option
 Packaging Specification

 07DXXXXX
 1000
 Plastic bag
 Bulk Pack



Socay [®] Shenzhen Socay Electronics Co., Ltd.								
O	+8618126201429	sylvia@socay.com	e	socaydiode.com				
4/F, Block C, HeHengXing Science & Technology Park, 19 MinQing Road, LongHua District, Shenzhen City, GuangDong Province, China								