



25D621K / 25D621KJ D25 MOV DISC 25MM 620V 15KA Varistor Components

Our Product Introduction

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Basic Information

- Place of Origin: Shenzhen, Guangdong, China
- Brand Name: SOCAY
- Certification: VDE,UL,REACH,RoHS,ISO
- Model Number: 25D621K/25D621KJ
- Minimum Order Quantity: 100PCS
- Price: Negotiable
- Packaging Details: AMMO packing bulk
- Delivery Time: 5-8 work days



Product Specification

- Key Words: Metal Oxide Varistor
- Dimension: $\Phi 25\text{mm}$
- VAC: 385V
- VDC: 505V
- Varistor Voltage: 620(558~682)V
- IP: 150A
- VC: 1025V
- Rated Power: 1.0W
- Typ. Capacitance: 650pF
- Highlight: D25 MOV DISC, MOV DISC 15KA



More Images



Product Description

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DATASHEET: [25D Series_v2306.1.pdf](#)

Type Number		Maximum Allowable voltage		Varistor Voltage	Maximum Clamping Voltage		Withstanding Surge Current 8/20μS		Rated Power	Energy (10/1000 μs)	Capacitance
Standard	High Surge	V _{AC} (V)	V _{DC} (V)	V 1mA (V)	I _p (A)	V _C (V)	Stand ard (A)	High Surge (A)	(W)	(J)	@1KHZ (pF)
							1 Time	1 Time			
25D101K	25D101KJ	60	85	100(90-110)	150	165	10000	20000	1.4	100	6300
25D201K	25D201KJ	130	170	200(185-225)	150	330	15000	20000	1.0	215	2000
25D221K	25D221KJ	140	180	220(198-242)	150	360	15000	20000	1.0	235	1800
25D241K	25D241KJ	150	200	240(216-264)	150	395	15000	20000	1.0	245	1650
25D271K	25D271KJ	175	225	270(243-297)	150	455	15000	20000	1.0	260	1500
25D301K	25D301KJ	190	250	300(270-330)	150	505	15000	20000	1.0	275	1300
25D331K	25D331KJ	210	275	330(297-363)	150	550	15000	20000	1.0	295	1200
25D361K	25D361KJ	230	300	360(324-396)	150	595	15000	20000	1.0	305	1100
25D391K	25D391KJ	250	320	390(351-429)	150	650	15000	20000	1.0	335	1000
25D431K	25D431KJ	275	350	430(387-473)	150	710	15000	20000	1.0	365	930
25D471K	25D471KJ	300	385	470(423-517)	150	775	15000	20000	1.0	390	850
25D511K	25D511KJ	320	415	510(459-561)	150	845	15000	20000	1.0	440	780
25D561K	25D561KJ	350	460	560(504-616)	150	920	15000	20000	1.0	490	715
25D621K	25D621KJ	385	505	620(558-682)	150	1025	15000	20000	1.0	540	650
25D681K	25D681KJ	420	560	680(612-748)	150	1120	15000	20000	1.0	570	600
25D751K	25D751KJ	460	615	750(675-825)	150	1240	15000	20000	1.0	590	530
25D781K	25D781KJ	485	640	780(702-858)	150	1290	15000	20000	1.0	620	510
25D821K	25D821KJ	510	670	820(738-902)	150	1355	15000	20000	1.0	655	500
25D911K	25D911KJ	550	745	910(819-1001)	150	1500	15000	20000	1.0	726	440
25D102K	25D102KJ	625	825	1000(900-1100)	150	1650	15000	20000	1.0	685	650
25D112K	25D112KJ	680	895	1100(990-1210)	150	1815	15000	20000	1.0	770	600
25D122K	25D122KJ	750	990	1200(1080-1320)	150	1980	15000	20000	1.0	770	550



About Varistor

Varistor is a semiconductor voltage-limiting surge device made of sintered zinc oxide.

It is widely used in electronic circuits for protection due to its excellent nonlinear characteristics and super surge absorption capabilities.

Advantages of varistor:

1. The flow rate is large (100A~70kA). The larger the volume, the greater the surge current it can withstand.
2. Complete varieties and wide range of uses

Disadvantages of varistor:

1. The nonlinear characteristics of the varistor are poor (the dynamic resistance is large)
2. The limiting voltage (clamping voltage) is higher when the current is large.
3. The leakage current is larger at low voltage and is easier to age.

Description:

The 25D 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 20KA (8/20 μ s pulse) to protect against high peak surges, including indirect lightning strike interference, system switching transients and abnormal fast transients from the power source.

Operating Temperature	-40 ~ +85
Storage Temperature	-40 ~ +85
Working Surface Temperature	+115
Insulation Resistance	> 100M Ω
Coating (Epoxy Resin)	Flame-Retardant to UL 94 V-0

Coating	Epoxy Resin
Lead Wire	The Copper Wire
Electrode	Silver Solder
Disk	Zinc Oxide

Dimension	Part Number	Bag	Small Carton	Carton
25D	25DXXXXX	100 PCS	1000 PCS	2000 PCS

Part Numbering	Part Marking
25 D XXX K J J: High Surge, without: Standard Tolerance: K: $\pm 10\%$, L: $\pm 15\%$, M: $\pm 20\%$ Varistor Voltage Type: D: Disk, S: Square Element Diameter	With a line: High Surge Without: Standard UL Accreditation Logo Logo Product Type VDE Accreditation Logo

Package Dimensions Unit: mm

The image shows two technical drawings of varistor packages. The left drawing is for a disk varistor (D) and the right drawing is for a square varistor (S). Both drawings show top and side views. Dimensions are labeled as follows: D (diameter), H (height), L1 (lead length), L (total length), P (pitch), d1 (lead diameter), and d (terminal diameter). The disk varistor has a circular body with a central terminal. The square varistor has a square body with a central terminal. Both have two leads extending from the bottom.

TABLE1

Symbol	Dimensions
H(max.)	31.0
H1(max.)	31.0
L(min.)	20.0
L1(min.)	20.0
D(max.)	29.0
P(±1.0)	10.0
T(max.)	TABLE2
d(±0.05)	1.0
d1(±0.05)	1.0

TABLE2

Model	T(max.)	Model	T(max.)
101K	5.7	511K	7.8
201K	5.5	561K	8.1
221K	5.6	621K	8.5
241K	5.7	681K	8.6
271K	5.9	751K	9.1
301K	6.1	781K	9.3
331K	6.3	821K	9.6
361K	6.6	911K	10.2
391K	6.8	102K	10.8
431K	7.1	112K	11.5
471K	7.4	122K	8.8

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.

 **Shenzhen Socay Electronics Co., Ltd.**

+8618126201429

sylvia@socay.com

socaydiode.com

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