



## 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 <sub>AC</sub> (V)       | V <sub>DC</sub> (V) | V 1mA (V)        | I <sub>p</sub> (A)       | V <sub>C</sub> (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         |

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#### 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  $\mu$ 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 $\Omega$                 |
| Coating (Epoxy Resin)       | Flame-Retardant to<br>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 |

