



Radial Leaded Metal Oxide Varistor MOVs $\Phi 25\text{mm}$ 25D391K Varistor

Our Product Introduction

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Basic Information

- Place of Origin: Shenzhen, Guangdong, China
- Brand Name: SOCAY
- Certification: UL, VDE, REACH, RoHS, ISO
- Model Number: 25D391k
- Minimum Order Quantity: 1000PCS
- Price: Negotiable
- Packaging Details: bulk and taping
- Delivery Time: within 3weeks



Product Specification

- Item: Metal Oxide Varistor
- Package: $\Phi 25\text{mm}$
- VAC: 250V
- VDC: 320V
- Varistor Voltage: 390(351~429)V
- IP: 25A
- VC: 650V
- Rated Power: 0.4W
- Typ. Capacitance: 200pF
- Withstanding Surge Current: 2.5KA (1 Time)
- Material: Zinc Oxide
- Highlight: **Metal Oxide Varistor MOVs,
Radial Leaded Metal Oxide Varistor,
10D391K Varistor**



Product Description

Radial Leaded Metal Oxide Varistor MOVs Φ 25mm 25D391K Varistor

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

Introduction

The most used voltage limiting device is the varistor MOV/MLV, which is mainly made of zinc oxide and a variety of trace metal oxides, which are mixed and moulded.

Main Material

Zinc oxide material

Type Number		Maximum Allowable voltage		Varistor Voltage	Maximum Clamping Voltage		Withstanding Surge Current 8/20 μ S		Rated Power	Energy (10/1000 μ s)	Capacitance
Standard	High Surge	V _{AC} (V)	V _{DC} (V)	V 1mA (V)	I _P (A)	V _C (V)	Stand (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



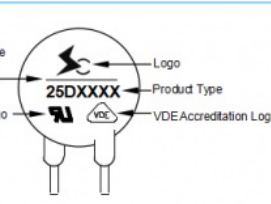
Applications:

- u Transistor, diode, IC, thyristor or triac semiconductor protection
- u Surge protection in consumer electronics
- u Surge protection in industrial electronics
- u Surge protection in electronic home appliances, gas and petroleum appliances
- u Relay and electromagnetic valve surge absorption

Operating Temperature	-40 ~ +85
Storage Temperature	-40 ~ +85
Working Surface Temperature	+115
Insulation Resistance	> 100MΩ
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: ±10%, L: ±15%, M: ±20% - Varistor Voltage - Type: D: Disk, S: Square - Element Diameter	With a line: High Surge Without: Standard  Logo Product Type UL Accreditation Logo VDE Accreditation Logo

Package Dimensions Unit: mm

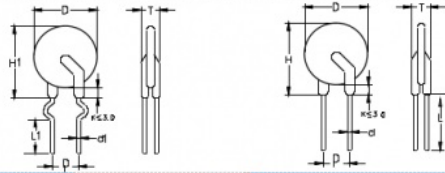


TABLE1	
Symbol	Dimensions
H(max.)	31.0
H1(max.)	31.0
L(min.)	20.0
L1(min.)	20.0
D(max.)	29.0
P(±1.0)	10.0
T(max.)	TABLE2
d(±0.05)	1.0
d1(±0.05)	1.0

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

We are manufacturer and supplier with over 20 years experience for passive components as below

- 1- ESD
- 2- TVS Diodes
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- 4- Gas Discharge Tube
- 5- NTC Themistor
- 6- Varistor,etc.

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