25D 431 IC Metal Oxide Varistor MOV For Industrial Electronics

Our Product Introduction

Basic Information

- Place of Origin: Dongguan China
- Brand Name: linkun
- Certification: CE / ROHS / UL / TUV / SGS
- Model Number: 25D431
- Minimum Order Quantity: Negotiation
- Price: Negotiation
- Packaging Details: Export Package / Negotiation
- Delivery Time: Negotiation
- Payment Terms: T/T, L/C, Western Union
- Supply Ability: 24 million per year

Product Specification

- Features: Small Temperature Coefficient Of Resistance
- Application: Power Inverter / New Energy
- Temperature Coefficient: 0~-0.05%/℃
- Temp Range (℃): -40℃ ~ +125℃
- Operating Temperature: -40℃ ~ +125℃
- Material: Zinc Oxide
- Highlight: **25D Metal Oxide Varistor**, **IC Metal Oxide Varistor**, **Industrial Electronics MOV Varistor**

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Product Description

Small Temperature Coefficient Of Resistance 25D 431 Metal Oxide Varistor Non-Polarity

The main characteristics of varistors are wide operating voltage range (6~3000V, divided into several grades), fast response to overvoltage pulses (nanosecond level), strong impact current resistance (100~2000a), and small leakage current (micro An level), small temperature coefficient of resistance, high performance, low price, small size. It is an ideal protection component, which can form overvoltage protection circuit, muffler circuit, spark suppression circuit, and absorption circuit. When the overvoltage pulse is superimposed on the power network, after connecting the rheostat, the overvoltage peak waveform is flattened and limited within a certain range. When using inductance and capacitance to open or close the load circuit, the switch tip pulse appears in the DC waveform, and the varistor can absorb the counter electromotive force in the circuit, thus effectively protecting the switch circuit from damage

SPD varistor manufacturers believe that varistors have strong electrical characteristics and are a very mature electronic component that can be used in various electronic equipment to protect the claws, reduce lightning damage, and help improve the stability of the equipment It can be applied to lightning protection and automotive electrical and ignition systems. The resistance material of the varistor is a semiconductor, so it is a kind of semiconductor resistance. At present, a large number of 'zinc oxide' (ZnO) varistors are used, and their main materials are composed of a divalent element (Zn) and a hexavalent element oxygen (O). Therefore, from the material point of view, the zinc oxide varistor is a "II-VI oxide semiconductor".

When the voltage applied to the varistor is lower than its threshold, the current flowing through it is extremely small, which is equivalent to a resistor with infinite resistance. That is, when the voltage applied to it is below its threshold, it acts as an off-state switch. When the voltage applied to the varistor exceeds its threshold, the current flowing through it surges, which is equivalent to a resistor with infinitesimal resistance. That is, when the voltage applied to it is higher than its threshold, it acts as a closed switch.

Model Number	14D 20D 181K 390K 431K 470K 471K 511K 561K 680K 681K 821K 102K
Package	Varistors
D/C	Newest
Condition	New & Original
Lead time	Within 1 day
Unit Price	Contact us for latest price
More details	Please contact us

Applications

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

Competitive Advantage:
Factory supply directly
Completed certificates such as UL,VDE,SGS,etc and high quality available
Quick delivery
Best after-sales services
OEM & ODM available
Specifications:

Part Number	Vac (V)	Vdc (V)	V1mA(V)	Ip(A)	Vac (V)	I(A)Standard	I(A)High Surge	(J)Standard	(J)High Surge	Rated power(W)	C@1KHz (pf)
20D180K(J)	11	14	18(15-21.6)	20	36	2000	3000	11	13	0.2	28500
20D220K(J)	14	18	22(19.5-26)	20	43	2000	3000	14	16	0.2	18500
20D270K(J)	17	22	27(24-31)	20	53	2000	3000	16	19	0.2	13000
20D330K(J)	20	26	33(29.5-36.5)	20	65	2000	3000	23	24	0.2	11500
20D390K(J)	25	31	39(35-43)	20	77	2000	3000	26	28	0.2	8500
20D470K(J)	30	38	47(42-52)	20	93	2000	3000	30	34	0.2	7400
20D560K(J)	35	45	56(50-62)	20	110	2000	3000	41	41	0.2	6500
20D680K(J)	40	56	68(61-75)	20	135	2000	3000	46	49	0.2	5800
20D820K(J)	50	65	82(74-90)	100	135	6500	10000	38	56	1.0	4900
20D101K(J)	60	85	100(90-110)	100	165	6500	10000	45	70	1.0	4000
20D121K(J)	75	100	120(108-132)	100	200	6500	10000	55	85	1.0	3300

20D151 K(J)	95	125	150(135-165)	100	250	6500	10000	70	106	1.0	2700
20D181 K(J)	115	150	180(162-198)	100	300	6500	10000	85	130	1.0	2200
20D201 K(J)	130	170	200(180-220)	100	340	6500	10000	95	140	1.0	2000
20D221 K(J)	140	180	220(198-242)	100	360	6500	10000	100	155	1.0	1800
20D241 K(J)	150	200	240(216-264)	100	395	6500	10000	108	168	1.0	1650
20D271 K(J)	175	225	270(243-297)	100	455	6500	10000	127	190	1.0	1500
20D301 K(J)	190	250	300(270-330)	100	500	6500	10000	136	210	1.0	1300
20D331 K(J)	210	275	330(297-363)	100	550	6500	10000	150	228	1.0	1200
20D361 K(J)	230	300	360(324-396)	100	595	6500	10000	163	255	1.0	1100
20D391 K(J)	250	320	390(351-429)	100	650	6500	10000	180	275	1.0	1000
20D431 K(J)	275	350	430(387-473)	100	710	6500	10000	190	305	1.0	930
20D471 K(J)	300	385	470(423-517)	100	775	6500	10000	220	350	1.0	850
20D511 K(J)	320	415	510(459-561)	100	845	6500	10000	220	360	1.0	780
20D561 K(J)	350	460	560(504-616)	100	925	6500	10000	220	380	1.0	710
20D621 K(J)	385	505	620(558-682)	100	1025	6500	10000	220	390	1.0	650
20D681 K(J)	420	560	680(612-748)	100	1120	6500	10000	230	400	1.0	600
20D751 K(J)	460	615	750(675-825)	100	1240	6500	10000	255	420	1.0	530
20D781 K(J)	485	640	780(702-858)	100	1290	6500	10000	265	440	1.0	510
20D821 K(J)	510	670	820(738-902)	100	1355	6500	10000	282	460	1.0	500
20D911 K(J)	550	745	910(819-1001)	100	1500	6500	10000	310	510	1.0	440
20D102 K(J)	625	825	1000(900-1100)	100	1650	6500	10000	342	565	1.0	400
20D112 K(J)	680	895	1100(990-1210)	100	1815	6500	10000	383	620	1.0	360
20D122 K(J)	750	990	1200(1080-1320)	100	1980	6500	10000	408	660	1.0	350
20D142 K(J)	880	1140	1400(1260-1540)	100	2310	6500	10000	532	784	1.0	340
20D162 K(J)	1000	1280	1600(1440-1760)	100	2640	6500	10000	606	896	1.0	330
20D182 K(J)	1100	1465	1800(1620-1980)	100	2970	6500	10000	625	990	1.0	320

Production Process / Quality Control

Application

1. Varistor voltage: refers to the voltage value across the varistor at a specified temperature and DC (generally 1mA or 0.1mA). Recorded as V1mA or V0.1mAo
2. Maximum continuous voltage: refers to the maximum effective value of sinusoidal AC voltage or the maximum DC voltage value that can be continuously applied to both ends of the varistor for a long time under the specified ambient temperature
3. Limiting voltage: refers to the maximum peak voltage at both ends of the varistor when a specified surge current (8,20μs) passes through it.
4. Rated power: refers to the maximum average impact power that can be applied to the varistor under the specified ambient temperature.
5. Maximum energy: the maximum impact energy that can be applied to the varistor under the condition that the varistor voltage does not change more than ±10% and the impulse current waveform is 10, 1000μs or 2ms.
6. Current capacity (maximum inrush current)

PRODUCT CATEGORIES


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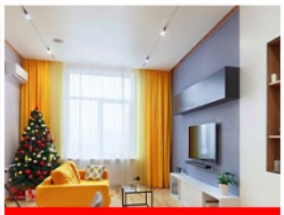
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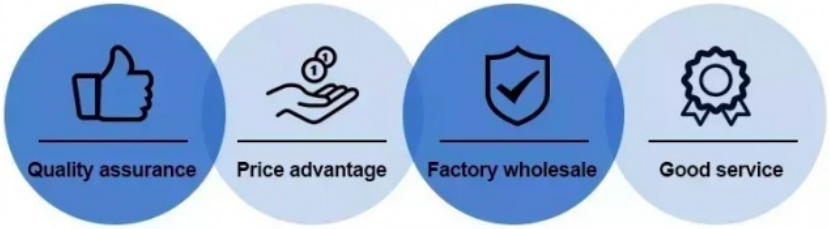

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