

# Inductors & Filters

## Zinc Oxide Varistor D-07 Series Zinc Oxide Varistors

Detailed product specifications are available on: [us.100y.com.tw](http://us.100y.com.tw)



### FEATURES

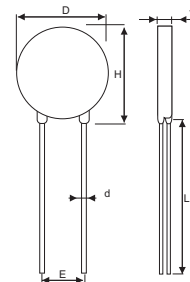
- Wide operating voltage (V1mA) range from 8V to 1800V.
- Fast responding to transient over-voltage
- Large absorbing transient energy capability
- Low clamping ratio and no following-on current.



### APPLICATION

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

PART CODE	T MAX.	L MIN.	D MAX.	H MAX.	d ±0.05	E ±0.8
101K	4.3	20	9	12	0.6	5
220K	4.6	20	9	12	0.6	5
241K	4.3	20	9	12	0.6	5
271K	4.5	20	9	12	0.6	5
301K	4.7	20	9	12	0.6	5
431K	5.3	20	9	12	0.6	5



Part No.	Product No.	Description	Energy (2ms)(J)	Max. Vm(ac)	Max. Vm(dc)	Max. Clamping V/10A	Rated Watt.(W)	Varistor Volt.(V1mA)
49546	BK-101KD07	METAL OXIDE VARISTOR	11.6	60	85	165	0.25W	100V1mA
40712	BK-220KD07SBNL	BK_7 Series Zinc Oxide Varistors	2.4	14	18	43	0.02	22V1mA±10%
42678	BK-241KD20	METAL OXIDE VARISTOR			200VDC		1W	240V
42675	BK-271KD07	METAL OXIDE VARISTOR		175VAC	225VDC		0.25W	270V
48409	BK-301KD07	METAL OXIDE VARISTOR				500v	0.025W	300V1mA(270~330)
49627	BK-431KD07	METAL OXIDE VARISTOR	50.4	275	350	710	0.25W	430



### FEATURES:

- Fast response
- Excellent voltage ratio
- High stabilization for circuit voltage
- Unparalleled absorption for transient voltage characteristics
- Bilateral and symmetrical V-I characteristics curve

### APPLICATIONS

- Surge protection in consumer electronics
  - industrial electronics
  - telephone and telecommunication systems
  - automobile equipments
  - measuring and controller systems
  - electronic home applications
- Absorption of switching surge from various kinds of relays and electro-magnetic valves.
- Electrostatic discharge an spike noise suppression
- Protection of various kinds of transistors, diodes, ICs, thyristors, triac semiconductors, and etc

Part No.	Product No.	Description	Energy (2ms)(J)	Max. Vm(ac)	Max. Vm(dc)	Max. Clamping V/10A	Rated Watt.(W)	Varistor Volt.(V1mA)
41526	CNR-07D151K	METAL OXIDE VARISTOR	9.7	95V	125V	250V	0.25W	150Vdc
41527	CNR-07D180K	METAL OXIDE VARISTOR	0.9	11V	14V	42V	0.02W	18Vdc
41528	CNR-07D181K	METAL OXIDE VARISTOR	11.7	115V	150V	300V	0.25W	180Vdc
41529	CNR-07D201K	METAL OXIDE VARISTOR	13.0	130V	170V	340V	0.25W	200Vdc
41530	CNR-07D220K	METAL OXIDE VARISTOR	1.1	14V	18V	47V	0.02W	22Vdc
41531	CNR-07D271K	METAL OXIDE VARISTOR	18.0	175V	225V	455V	0.25W	270Vdc
41533	CNR-07D331K	METAL OXIDE VARISTOR	25.0	210V	275V	550V	0.25W	330Vdc
41534	CNR-07D361K	METAL OXIDE VARISTOR	25.0	230V	230V	595V	0.25W	230Vdc
41540	CNR-07D431K	METAL OXIDE VARISTOR	28.0	275V	350V	710V	0.25W	430Vdc
41542	CNR-07D431K	METAL OXIDE VARISTOR	2.5	30V	38V	52V	0.02W	423Vdc
41543	CNR-07D471K	METAL OXIDE VARISTOR	30.0	300V	385V	775V	0.25W	470Vdc
41544	CNR-07D680K	METAL OXIDE VARISTOR	3.6	40V	56V	75V	0.02W	61vdc
41545	CNR-07D820K	METAL OXIDE VARISTOR	5.5	50V	65V	135V	0.25W	82V



SAS-560KD07

Part No.	Maximum allowable voltage		Energy		Withstanding surge current 8/20µs		Rated Wattage (W)
	ACrms (V)	DC (V)	8/20µs (J)	10/1000µs (J)	1 time (A)	2 time (A)	
101KD07	60	85	12	12	1750	1250	0.25
201KD07	130	170	25	25	1750	1250	0.25
221KD07	140	180	28	28	1750	1250	0.25
241KD07	150	200	28	28	1750	1250	0.25
270KD07	17	22	3	3	500	250	0.02
301KD07	190	250	35	35	1750	1250	0.25
330KD07	20	26	4	4	500	250	0.02
390KD07	25	31	4	4	500	250	0.02
391KD07	250	320	46	46	1750	1250	0.25
431KD07	275	350	50	50	1750	1250	0.25
470KD07	30	38	5	5	500	250	0.02
471KD07	300	385	56	56	1750	1250	0.25
560KD07	35	45	6	6	500	250	0.02
680KD07	40	56	7	7	500	250	0.02
681KD07	420	560	75	75	1750	1250	0.25

Part No.	Product No.	Manufacturer	Description	Energy (2ms)(J)	Max. Vm(ac)	Max. Vm(dc)	Max. Clamping V/10A	Rated Watt.(W)	Varistor Volt.(V1mA)
4033	SAS-101KD07	SAS-MOV	SAS_D-07 Series Zinc Oxide Varistors	8.3	60	85	165	0.25	100V1mA±10%



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