

Inductors & Filters

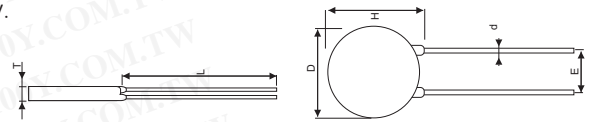
D-14 Series Zinc Oxide Varistors

Detailed product specifications are available on: 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
221K	4.7	20	9	12	0.6	5
681K	7.1	20	9	12	0.6	5

Part No.	Product No.	Description	Energy (2ms)(J)	Max. Vm(ac)	Max. Vm(dc)	Max. Clamping V/50A	Rated Watt.(W)	Varistor Volt.(V1mA)
43890	BK-221KD14	METAL OXIDE VARISTOR	79.8	140	180	360	0.6	220
43537	BK-681KD14	METAL OXIDE VARISTOR	168	420	560	1120	0.6	680



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)	
101KD14	60	85	35	35	6000	5000	0.6
182KD14	1000	1465	510	510	6000	5000	0.6
220KD14	14	18	8	8	2000	1000	0.1
221KD14	140	180	80	80	6000	5000	0.6
241KD14	150	200	84	84	6000	5000	0.6
270KD14	17	22	10	10	2000	1000	0.1
271KD14	175	225	99	99	6000	5000	0.6
301KD14	190	250	105	105	6000	5000	0.6
330KD14	20	26	12	12	2000	1000	0.1
331KD14	210	275	115	115	6000	5000	0.6
361KD14	230	300	130	130	6000	5000	0.6
391KD14	250	320	140	140	6000	5000	0.6
431KD14	275	350	155	155	6000	5000	0.6
470KD14	30	38	17	17	2000	1000	0.1
471KD14	300	385	175	175	6000	5000	0.6
680KD14	40	56	24	24	2000	1000	0.1
751KD14	460	615	210	210	6000	5000	0.6

Part No.	Product No.	Manufacturer	Description	Energy (2ms)(J)	Max. Vm(ac)	Max. Vm(dc)	Max. Clamping V/50A	Rated Watt.(W)	Varistor Volt.(V1mA)
4110	SAS-101KD14	SAS-MOV	D-14 Series Zinc Oxide Varistors	24.0	60	85	165	0.6	100V1mA±10%
13448	SAS-182KD14	SAS-MOV	D-14 Series Zinc Oxide Varistors	240	1000	1465	2970	0.6	1800(620-1980)
4112	SAS-220KD14	SAS-MOV	D-14 Series Zinc Oxide Varistors	5.4	14	18	*43	0.1	22V1mA±10%
4114	SAS-241KD14	SAS-MOV	D-14 Series Zinc Oxide Varistors	59.0	150	200	395	0.6	240V1mA±10%
4115	SAS-270KD14	SAS-MOV	D-14 Series Zinc Oxide Varistors	6.9	17	22	*53	0.1	27V1mA±10%
4116	SAS-271KD14	SAS-MOV	D-14 Series Zinc Oxide Varistors	67.0	175	225	455	0.6	270V1mA±10%
4117	SAS-301KD14	SAS-MOV	D-14 Series Zinc Oxide Varistors	74.0	190	250	500	0.6	300V1mA±10%
14611	SAS-391KD14	SAS-MOV	D-14 Series Zinc Oxide Varistors	96	250	320	650	0.6	390V1mA±10%
2021	SAS-471KD14	SAS-MOV	D-14 Series Zinc Oxide Varistors	107	300	385	775	0.6	470V1mA±10%
4139	SAS-680KD14	SAS-MOV	D-14 Series Zinc Oxide Varistors	17.0	40	56	*135	0.1	68V1mA±10%
14612	SAS-751KD14	SAS-MOV	METAL OXIDE VARISTOR	145	460	615	1240	0.6	750V1mA±10%

D-20 Series Zinc Oxide Varistors

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Part No.	Maximum allowable voltage		Energy 10/1000µs (J)	Withstanding surge current 8/20µs		Rated Wattage (W)
	ACrms (V)	DC (V)		1 time (A)	2 time (A)	
101KD20	60	85	42.0	6500	4000	1.0
102KD20	625	825	280.0	6500	4000	1.0
201KD20	130	170	98.0	6500	4000	1.0
241KD20	150	200	112.0	6500	4000	1.0
271KD20	175	225	126.0	6500	4000	1.0
331KD20	210	275	140.0	6500	4000	1.0
361KD20	230	300	168.0	6500	4000	1.0
391KD20	250	320	182.0	6500	4000	1.0

