

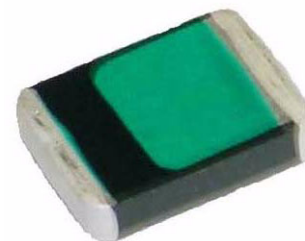
DV Series — Low & Medium Voltage SMD Varistors

Description

The DV Series is a line of surface mount varistors designed to protect electronic equipment against high voltage surges in the medium voltage region. They offer excellent energy absorption due to improved energy volume distribution and power dissipation. Compared to other medium voltage SMD varistors, DV Series have a very low profile construction.

DV varistors are designed exclusively for surface mounting and are available in two model sizes. These transient voltage suppressors cover operating voltages from 11V to 300V (Vrms) featuring maximum surge currents from 100A to 1200A.

Surface mount DV varistors are available in two model sizes. These transient voltage suppressors cover operating voltages (Vrms) from 11V to 300V and feature maximum surge currents from 400A to 1200A.



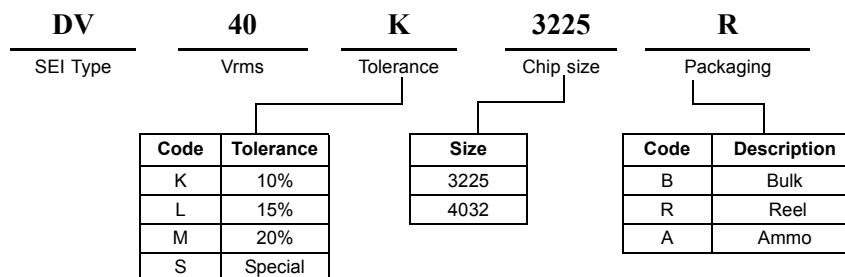
Features

- AC operating voltage (Vrms) from 11V to 300V
- DC operating voltage (Vdc) from 14V to 385V
- Insensitive to water cleaning procedures and to humidity according to the climate category 55/125/56
- +125°C continuous operating temperature
- Low profile dimensions and weight savings on printed circuit board
- 2 model sizes 3225 and 4032
- Lead-free component
- Ultra-low inductance, leadless chip guarantees the fastest response time to transient surges
- Broad range of current and energy handling capability
- No plastic coating guarantees excellent flammability rating

General Technical Data

Climatic Category	55 / 125 / 56	In accordance with IEC 60068-1
Operating Temperature	-55°C to +125°C	In accordance with CECC 42 000
Storage Temperature Range	-55°C to +150°C	
Threshold Voltage Temperature Coefficient	<-0.05%/°C	
Response Time	< 5 ns	

How to Order



Standard Packaging Options / Quantities

Series	Voltage Range (Vrms)	Chip Size	
		3225	4032
DV	11 – 300	1,500	1,500

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Device Ratings and Dimensions

Part Number	V _{RMS} (volts)	V _{DC} (volts)	V _B (volts)	V _C (volts)	I _C (amps)	W _{MAX} (joules)	P _{MAX} (watts)	I _P (amps)	C _{TYP} (pF)	L (mm)	W (mm)	t (mm)
DV 11 K 3225	11	14	18	36	2.5	0.6	0.01	100	2,500	8.0	6.3	1.4
DV 14 K 3225	14	18	22	43	2.5	0.7	0.01	100	2,200	8.0	6.3	1.6
DV 17 K 3225	17	22	27	53	2.5	0.9	0.01	100	1,750	8.0	6.3	1.8
DV 20 K 3225	20	26	33	65	2.5	1.1	0.01	100	1,650	8.0	6.3	1.8
DV 25 K 3225	25	31	39	77	2.5	1.2	0.01	100	1,500	8.0	6.3	2
DV 30 K 3225	30	38	47	93	2.5	1.5	0.01	100	1,000	8.0	6.3	2
DV 35 K 3225	35	45	56	110	2.5	1.8	0.01	100	800	8.0	6.3	2
DV 40 K 3225	40	56	68	135	2.5	2.2	0.01	100	700	8.0	6.3	2
DV 50 K 3225	50	65	82	135	5	2.5	0.10	400	400	8.2	6.3	2
DV 60 K 3225	60	85	100	165	5	3.0	0.10	400	300	8.2	6.3	2
DV 75 K 3225	75	100	120	200	5	4.0	0.10	400	240	8.2	6.3	2
DV 95 K 3225	95	125	150	250	5	6.0	0.10	400	210	8.2	6.3	2
DV 115 K 3225	115	150	180	300	5	6.5	0.10	400	200	8.2	6.3	2
DV 130 K 3225	130	170	205	340	5	7.0	0.10	400	150	8.2	6.3	2
DV 140 K 3225	140	180	220	360	5	7.5	0.10	400	180	8.2	6.3	2
DV 150 K 3225	150	200	240	395	5	9.0	0.10	400	150	8.2	6.3	2
DV 175 K 3225	175	225	270	455	5	9.5	0.10	400	130	8.2	6.3	2
DV 230 K 3225	230	300	360	595	5	10.0	0.10	400	110	8.2	6.3	2
DV 250 K 3225	250	320	390	650	5	11.0	0.10	400	100	8.2	6.3	2
DV 275 K 3225	275	350	430	710	5	13.0	0.10	400	90	8.2	6.3	2
DV 300 K 3225	300	385	470	775	5	15.0	0.10	400	85	8.2	6.3	2
DV 11 K 4032	11	14	18	36	5	1.1	0.02	250	4,300	10.0	8.0	1.4
DV 14 K 4032	14	18	22	43	5	1.3	0.02	250	3,500	10.0	8.0	1.6
DV 17 K 4032	17	22	27	53	5	1.6	0.02	250	3,000	10.0	8.0	1.8
DV 20 K 4032	20	26	33	65	5	2.0	0.02	250	2,300	10.0	8.0	1.8
DV 25 K 4032	25	31	39	77	5	2.4	0.02	250	1,900	10.0	8.0	2
DV 30 K 4032	30	38	47	93	5	2.8	0.02	250	1,600	10.0	8.0	2
DV 35 K 4032	35	45	56	110	5	3.4	0.02	250	1,400	10.0	8.0	2
DV 40 K 4032	40	56	68	135	5	4.1	0.02	250	1,200	10.0	8.0	2
DV 50 K 4032	50	65	82	135	10	6.5	0.25	1,200	580	10.0	8.0	2
DV 60 K 4032	60	85	100	165	10	7.0	0.25	1,200	530	10.0	8.0	2
DV 75 K 4032	75	100	120	200	10	9.0	0.25	1,200	480	10.0	8.0	2
DV 95 K 4032	95	125	150	250	10	11.0	0.25	1,200	310	10.0	8.0	2
DV 115 K 4032	115	150	180	300	10	13.0	0.25	1,200	270	10.0	8.0	2
DV 130 K 4032	130	170	205	340	10	15.0	0.25	1,200	250	10.0	8.0	2
DV 140 K 4032	140	180	220	360	10	18.0	0.25	1,200	240	10.0	8.0	2
DV 150 K 4032	150	200	240	395	10	18.5	0.25	1,200	220	10.0	8.0	2
DV 175 K 4032	175	225	270	455	10	21.0	0.25	1,200	200	10.0	8.0	2
DV 230 K 4032	230	300	360	595	10	23.0	0.25	1,200	170	10.0	8.0	2
DV 250 K 4032	250	320	390	650	10	25.0	0.25	1,200	160	10.0	8.0	2
DV 275 K 4032	275	350	430	710	10	29.0	0.25	1,200	150	10.0	8.0	2
DV 300 K 4032	300	385	470	775	10	30.0	0.25	1,200	140	10.0	8.0	2