



Micro Commercial Components
 20736 Marilla Street Chatsworth
 CA 91311
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182KD40 thru 201KD40

Features

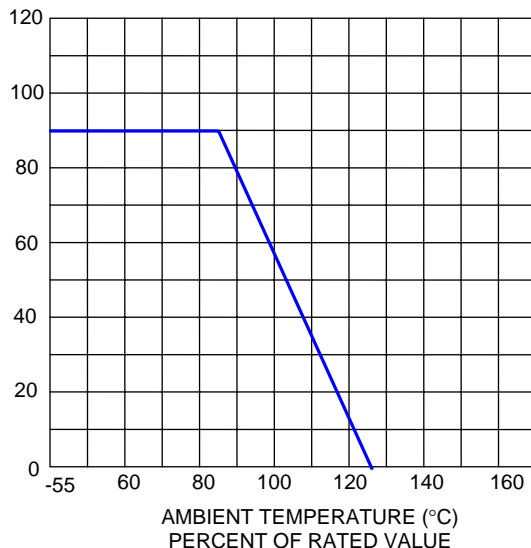
- Radial-Lead Varistor
- Designed to be Operated Continuously Across AC Power Lines
- No Derating Up to 85°C Ambient
- Available in Tape and Reel or Bulk Pack

**130 to 1000 Volts
 Varistor
 260 to 1500 Joule**

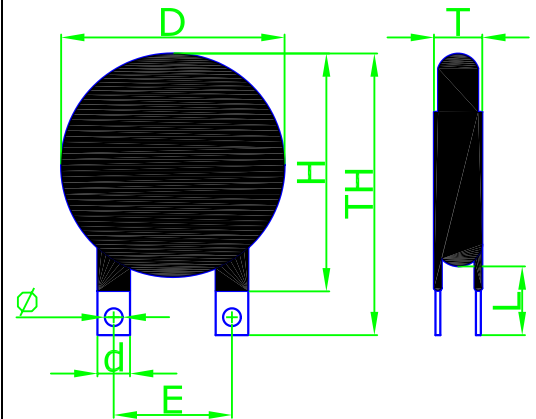
Maximum Ratings

- Operating Ambient Temperature Range: -55°C to +85°C
- Storage Temperature Range: -55°C to +125°C
- Temperature Coefficient (αV) of Clamping Voltage (V_C) at Specified Test Current: <0.05%/°C
- Varistor voltage temperature coefficient:

$$\frac{V_b \text{ at } 20^\circ\text{C} - V_b \text{ at } 70^\circ\text{C}}{V_b \text{ at } 20^\circ\text{C}} \times \frac{1}{50} \times 100 (\% / ^\circ\text{C})$$



CURRENT, ENERGY AND POWER DERATING CURVE



DIM	DIMENSIONS				NOTE
	INCHES		MM		
	MIN	MAX	MIN	MAX	
D	---	1.880	---	48.0	
E	0.960	1.030	24.6	26.2	
H	---	2.000	---	51.0	
L	---	0.709	---	18.0	
TH	---	2.380	---	60.5	
Φ	0.140	0.150	3.71	3.91	
d	0.270	0.280	6.9	7.10	

Electrical Characteristics @ 25°C Unless Otherwise Noted

Part Number	Maximum Allowable Voltage		Maximum Energy	Withstanding Surge Current	Rated Wattage	Varistor Voltage	Maximum Clamping Voltage
	Acrms (V)	DC (V)	10/1000us (J)	8/20 μ s 1time(A)	(W)	V1mA (V)	V300A (V)
182KD40	1000	1465	1500	30000	2.5	1800(1620-1980)	2970
152KD40	750	1300	1100			1500(1350-1650)	2475
112KD40	680	895	930			1100(990-1210)	1815
102KD40	625	825	860			1000(900-1100)	1650
911KD40	550	745	820			910(819-1001)	1500
821KD40	510	670	740			820(738-902)	1355
781KD40	485	640	680			780(702-858)	1290
751KD40	460	615	660			750(675-825)	1240
681KD40	420	560	610			680(612-748)	1120
621KD40	385	505	610			620(558-682)	1025
561KD40	350	460	560			560(504-616)	920
511KD40	320	415	560			510(459-561)	845
471KD40	300	385	510			470(423-517)	775
431KD40	275	350	470			430(387-473)	710
391KD40	250	320	440			390(351-429)	650
361KD40	230	300	410			360(324-396)	595
331KD40	210	275	380			330(297-363)	550
301KD40	190	250	350			300(270-330)	505
271KD40	175	225	320			270(243-297)	455
241KD40	150	200	300			240(216-264)	395
221KD40	140	180	280	220(198-242)	360		
201KD40	130	170	260	200(185-225)	330		