

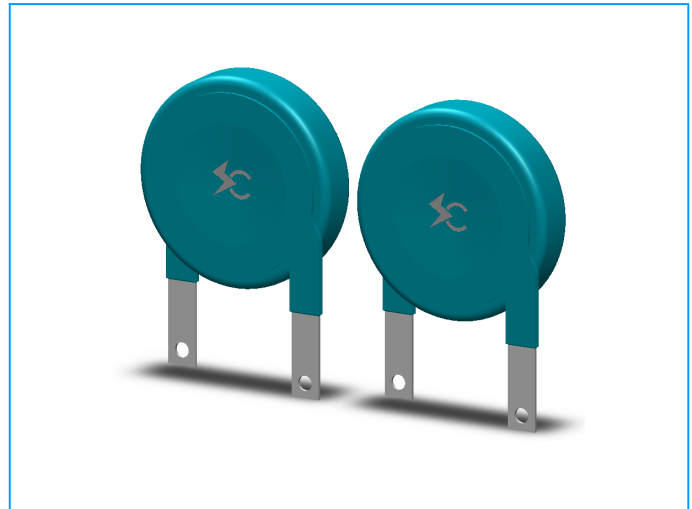
Radial Lead Varistor (MOV)

32D Series

Description

The 32D series radial leaded varistors provides an ideal circuit protection solution for lower DC voltage applications by offering higher surge ratings than ever before available in such small discs.

The maximum peak surge current rating can reach up to 25KA (8/20 μ s pulse) to protect against high peak surges, including indirect lightning strike interference, system switching transients and abnormal fast transients from the power source.



Features

- u Wide operating voltage (V1mA) range from 200V to 1200V
- u Fast responding to transient over-voltage
- u Large absorbing transient energy capability
- u Low clamping ratio and no following-on current
- u Meets MSL level 1, per J-STD-020

Applications

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

General Characteristics

Material	No Radioactive Material
Operating Temperature	-55~85°C
Storage Temperature	-55~125°C
Body	Nickel Plated
Leads	Tin Plated
Devices with No lead	Nickel Plated

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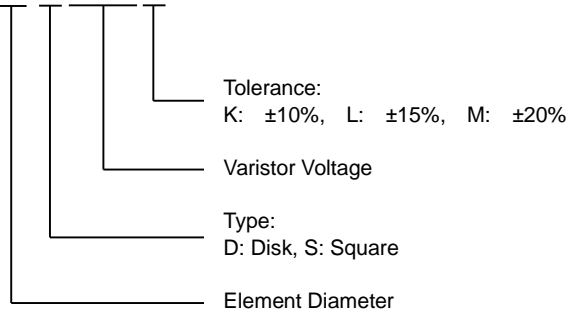
Model Number	Maximum Allowable Voltage		Varistor Voltage		Clamping Voltage (Max.)		Maximum Peak Current (8/20 μ s)		Maximum Energy (10/1000 μ s)	Rated Voltage	Typical Capacitance (Reference)
	V _{AC} rms (V)	V _{DC} (V)	V1mA (V)		I _P (A)	V _C (V)	In.10 times (KA)	I Max.	(J)	Reference (V)	@1KHZ (pF)
			Min.	Max.							
32D201K	130	170	185	225	200	340	15	25	250	AC 125	5200
32D241K	150	200	216	264	200	395	15	25	290		5100
32D271K	175	225	243	297	200	455	15	25	300		4800
32D301K	190	250	270	330	200	500	15	25	330		4500
32D331K	210	275	297	363	200	550	15	25	360	AC 250 Telephone test	4300
32D361K	230	300	324	396	200	595	15	25	380		3900
32D391K	250	320	351	429	200	650	15	25	400		3200
32D431K	275	350	387	473	200	710	15	25	430	AC 250	3100
32D471K	300	385	423	517	200	775	15	25	460		2800
32D511K	320	415	459	561	200	845	15	25	510		2700
32D621K	385	505	558	682	200	1025	15	25	570		2400
32D681K	420	560	612	748	200	1120	15	25	600		2200
32D751K	460	615	675	825	200	1240	15	25	620		2000
32D781K	485	640	702	858	200	1290	15	25	660		1900
32D821K	510	670	738	902	200	1355	15	25	700	AC 380 Or G	1800
32D911K	550	745	819	1001	200	1500	15	25	750		1300
32D951K	575	765	855	1045	200	1570	15	25	780		1200
32D102K	625	825	900	1100	200	1650	15	25	810		1100
32D112K	680	895	990	1210	200	1815	15	25	910		1000
32D122K	750	990	1080	1320	200	1980	15	25	960		920

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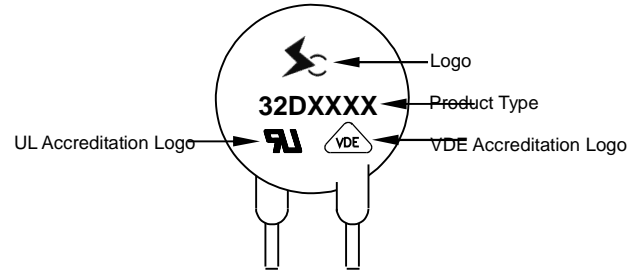
32D Series

Part Numbering

32 D XXX K



Part Marking



Packaging Information

Part Number	Quantity	Packaging Option	Packaging Specification
32DXXXXX	32 PCS	BOX	Bulk Pack

Package Dimensions (Unit: mm)

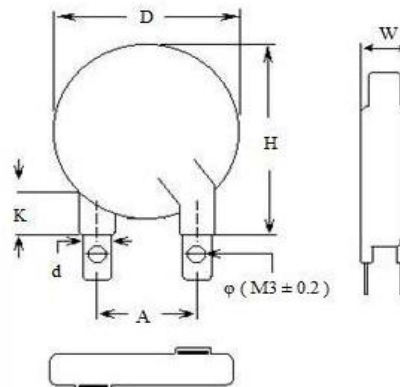


TABLE1

Symbol	Dimensions
D(max.)	35.0
H(max.)	40.0
d	7×0.5
d-1(±0.1)	1.5
A	25.4±1.0
A-1	25.4±1.0
K	≤5.0
W(max.)	TABLE2

TABLE2

Model	W(max.)	Model	W(max.)
201K	6.4	621K	9.4
241K	6.7	681K	9.5
271K	6.9	751K	10.0
301K	7.1	781K	10.2
331K	7.3	821K	10.8
361K	7.6	911K	11.2
391K	7.8	951K	11.0
431K	8.0	102K	11.2
471K	8.3	112K	12.3
511K	8.7	122K	13.0