

Metal Oxide Varistors (MOV) Data sheet

Features

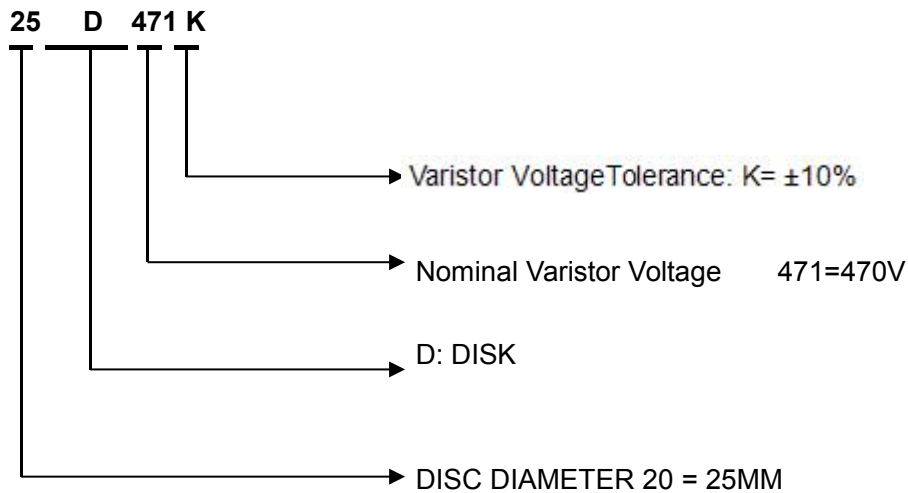
- Wide operating voltage (V1mA) range from 200V to 1800V
- Fast responding to transient over-voltage
- Large absorbing transient energy capability
- Low clamping ratio and no follow-on current
- Meets MSL level 1, per J-STD-020
- Safety certification: UL1414,UL1449,CSA,VDE
- Operating Temperature: -40°C ~ +85°C
- Storage Temperature: -40°C ~ +125°C



Applications

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

Description of Part Number



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Electrical Characteristics

Part Number	Maximum Allowable Voltage		Varistor Voltage $V_{1mA}(V)$	Maximum Clamping Voltage		Withstandi ng Surge Current I(A) Standard	Maximum Energy (10/1000 μ s) (J) Standard	Rated Power (W)	Typical Capacitance (Reference) 1KHz(pf)
	$V_{AC}(V)$	$V_{DC}(V)$		$I_P(A)$	$V_C(V)$				
25D201K	130	170	200(185~225)	150	330	10000	155	1	3200
25D221K	140	180	220(198~242)	150	360	10000	170	1	2900
25D241K	150	200	240(216~264)	150	395	10000	190	1	2650
25D271K	175	225	270(243~297)	150	455	10000	210	1	2400
25D301K	190	250	300(270~330)	150	505	10000	220	1	2100
25D331K	210	275	330(297~363)	150	550	10000	230	1	1900
25D361K	230	300	360(324~396)	150	595	10000	245	1	1750
25D391K	250	320	390(351~429)	150	650	10000	300	1	1600
25D431K	275	350	430(387~473)	150	710	10000	335	1	1500
25D471K	300	385	470(423~517)	150	775	10000	385	1	1400
25D511K	320	415	510(459~561)	150	845	10000	420	1	1250
25D561K	350	460	560(504~616)	150	920	10000	420	1	1150
25D621K	385	505	620(558~682)	150	1025	10000	425	1	1050
25D681K	420	560	680(612~748)	150	1120	10000	430	1	950
25D751K	460	615	750(675~825)	150	1240	10000	460	1	850
25D781K	485	640	780(702~858)	150	1290	10000	485	1	850
25D821K	510	670	820(738~902)	150	1355	10000	505	1	800
25D911K	550	745	910(819~1001)	150	1500	10000	560	1	700
25D102K	625	825	1000(900~1100)	150	1650	10000	620	1	650
25D112K	680	890	1100(990~1210)	150	1815	10000	685	1	600
25D122K	750	980	1200(1080~1320)	150	1925	10000	785	1	550
25D152K	900	1200	1500(1350~1650)	150	2475	10000	950	1	450
25D182K	1000	1465	1800(1620~1980)	150	2970	10000	1100	1	400

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Dimension(mm)

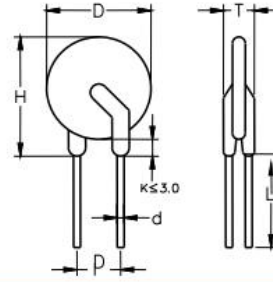
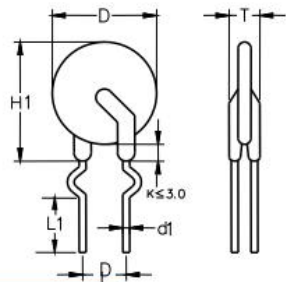


TABLE1

Symbol	Dimensions
H(max.)	31.0
H1(max.)	31.0
L(min.)	20.0
L1(min.)	20.0
D(max.)	29.0
P(±0.8)	10.0
T(max.)	TABLE2
d(±0.05)	1.0
d1(±0.05)	1.0

TABLE2

Model	T(max.)	Model	T(max.)
201K	4.1	471K	5.6
221K	4.2	511K	5.8
241K	4.3	561K	6.2
271K	4.5	621K	6.4
301K	4.7	681K	6.4
331K	4.8	751K	6.5
361K	5.0	781K	6.8
391K	5.1	821K	7.2
431K	5.3	911K	7.6

Packing Information

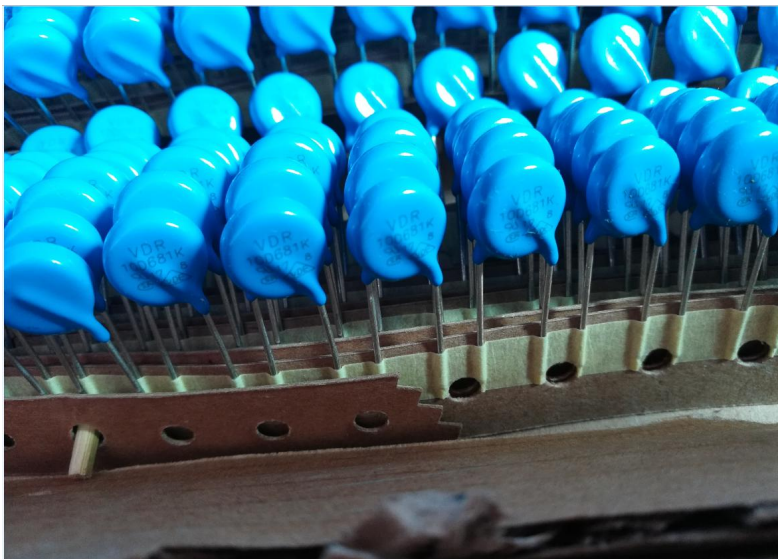
Part Number	Quantity	Packaging Option	Packaging Specification
25DxxxK	100PCS	Plastic bag	Bulk Pack

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Bulk Pack



Ammo Pack



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