

### Metal Oxide Varistors (MOV) Data sheet

#### Features

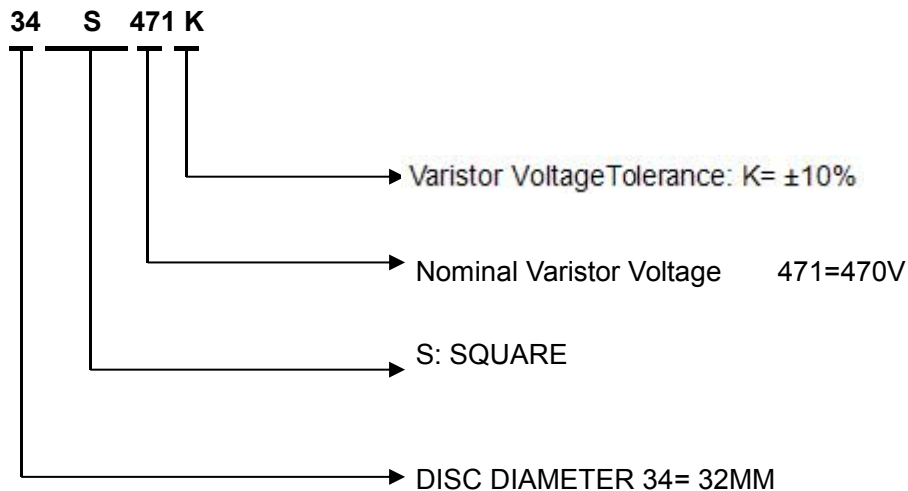
- Wide operating voltage (V1mA) range from 200V to 1800V
- Fast responding to transient over-voltage
- Large absorbing transient energy capability
- Low clamping ratio and no follow-on current
- Meets MSL level 1, per J-STD-020
- Safety certification: UL1414,UL1449,CSA,VDE
- Operating Temperature: -40°C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





### 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 $\mu$ s)  (J) Standard	Rated Power  (W)	Typical Capacitance (Reference)  1KHz(pf)
	$V_{AC}(V)$	$V_{DC}(V)$		$I_P(A)$	$V_C(V)$				
	<b>34S201K</b>	130		170	200(180~220)				
<b>34S221K</b>	140	180	220(198~242)	300	360	40000	360	1.4	7800
<b>34S241K</b>	150	200	240(216~264)	300	395	40000	390	1.4	7600
<b>34S271K</b>	175	225	270(243~297)	300	455	40000	420	1.4	7200
<b>34S301K</b>	190	250	300(270~330)	300	500	40000	460	1.4	7000
<b>34S331K</b>	210	275	330(297~363)	300	550	40000	500	1.4	6400
<b>34S361K</b>	230	300	360(324~396)	300	595	40000	510	1.4	6000
<b>34S391K</b>	250	320	390(351~429)	300	650	40000	530	1.4	4800
<b>34S431K</b>	275	350	430(387~473)	300	710	40000	600	1.4	4600
<b>34S471K</b>	300	385	470(423~517)	300	775	40000	650	1.4	4100
<b>34S511K</b>	320	415	510(459~561)	300	845	40000	700	1.4	4000
<b>34S561K</b>	350	460	560(504~616)	300	925	40000	730	1.4	3800
<b>34S621K</b>	385	505	620(558~682)	300	1025	40000	780	1.4	3600
<b>34S681K</b>	420	560	680(612~748)	300	1120	40000	810	1.4	3300
<b>34S751K</b>	460	615	750(675~825)	300	1240	40000	850	1.4	3000
<b>34S781K</b>	485	640	780(702~858)	300	1290	40000	930	1.4	2850
<b>34S821K</b>	510	670	820(738~902)	300	1355	40000	970	1.4	2700
<b>34S911K</b>	550	745	910(819~1001)	300	1500	40000	1050	1.4	2100
<b>34S951K</b>	575	765	950(855~1045)	300	1570	40000	1080	1.4	1900
<b>34S102K</b>	625	825	1000(900~1100)	300	1650	40000	1120	1.4	1700
<b>34S112K</b>	680	895	1100(990~1210)	300	1815	40000	1250	1.4	1520
<b>34S122K</b>	750	990	1200(1350~1650)	300	1980	40000	1250	1.4	1400
<b>34S142K</b>	880	1140	1400(1260~1540)	300	2310	40000	1400	1.4	1200
<b>34S162K</b>	1000	1280	1600(1440~1760)	300	2640	40000	1500	1.4	1100

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### Dimension(mm)

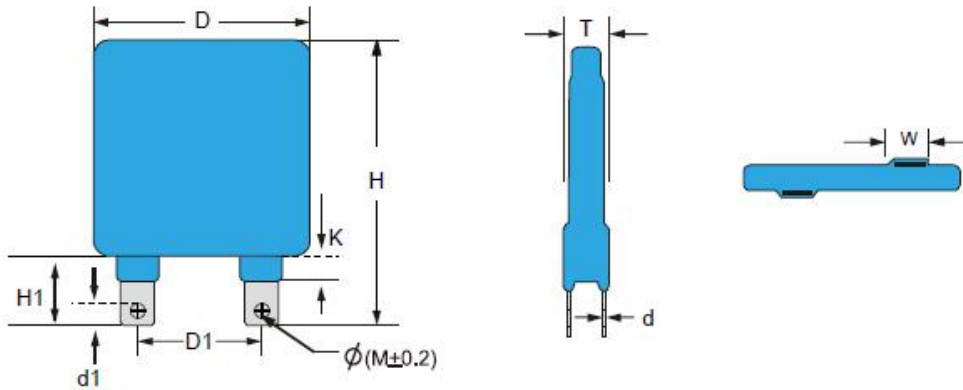


TABLE 1

Symbol	Dimensions
H(max.)	56.6
H1(max.)	14.5
D(max.)	40.0
D1±1.0)	25.4
T(max.)	TABLE 2
d(±0.1)	0.5
d1(±0.3)	3.7
K(max.)	3.2
W(±0.5)	7.0
(M±0.2)	3.2

TABLE 2

Model	T(max.)	Model	T(max.)
101K	5.8	621K	8.7
201K	6.2	681K	9.0
221K	6.3	751K	9.4
241K	6.4	781K	9.6
271K	6.6	821K	9.8
301K	6.8	911K	10.4
331K	6.9	951K	10.6
361K	7.1	102K	11.2
391K	7.3	112K	11.8
431K	7.5	122K	12.3
471K	7.8	142K	13.3
511K	8.0	162K	14.3
561K	8.3		

### Packing Information

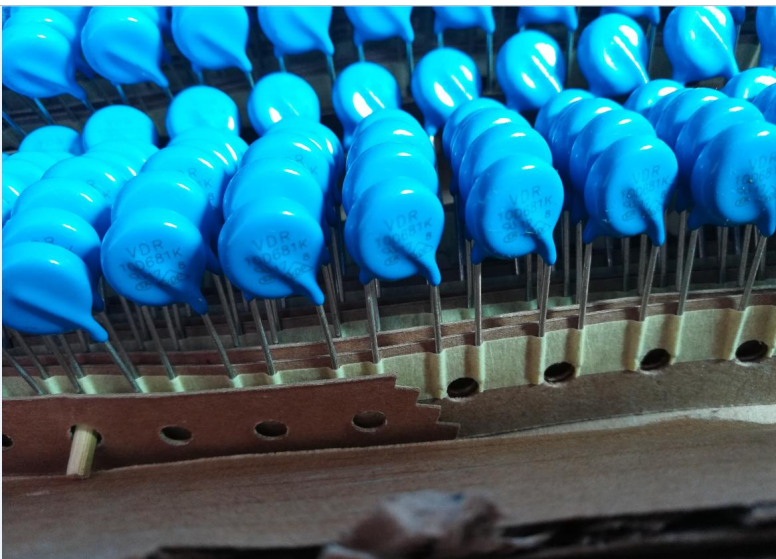
Part Number	Quantity	Packaging Option	Packaging Specification
34SxxxK	20PCS	Plastic bag	Bulk Pack

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### Bulk Pack



### Ammo Pack



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