



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

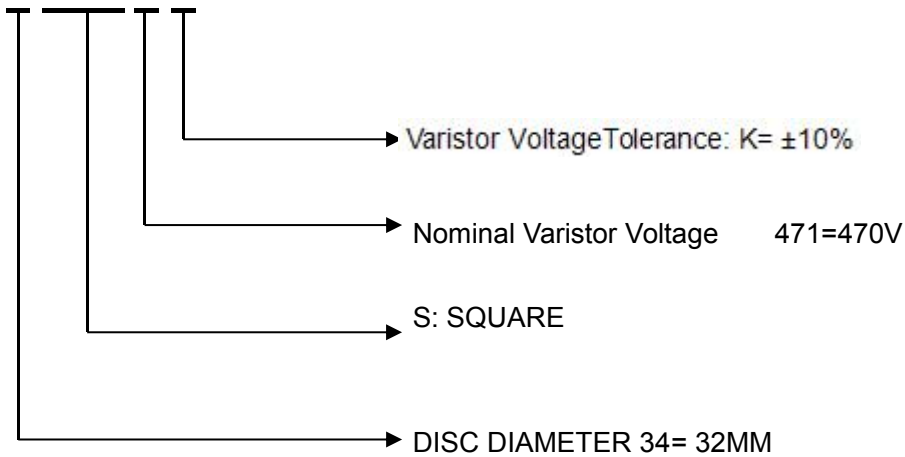
- Transistor, diode, IC, thyristor or triac semiconductor protection
- Surge protection in consumer electronics
- Surge protection in industrial electronics
- Surge protection in electronic home appliances, gas and petroleum appliances
- Relay and electromagnetic valve surge absorption



VDR-34S102K Picture

Description of Part Number

VDR- 34 S 471 K





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)
	$V_{AC}(V)$	$V_{DC}(V)$		$I_P(A)$	$V_C(V)$				
VDR-34S201K	130	170	200(180~220)	300	340	40000	330	1.4	8000
VDR-34S221K	140	180	220(198~242)	300	360	40000	360	1.4	7800
VDR-34S241K	150	200	240(216~264)	300	395	40000	390	1.4	7600
VDR-34S271K	175	225	270(243~297)	300	455	40000	420	1.4	7200
VDR-34S301K	190	250	300(270~330)	300	500	40000	460	1.4	7000
VDR-34S331K	210	275	330(297~363)	300	550	40000	500	1.4	6400
VDR-34S361K	230	300	360(324~396)	300	595	40000	510	1.4	6000
VDR-34S391K	250	320	390(351~429)	300	650	40000	530	1.4	4800
VDR-34S431K	275	350	430(387~473)	300	710	40000	600	1.4	4600
VDR-34S471K	300	385	470(423~517)	300	775	40000	650	1.4	4100
VDR-34S511K	320	415	510(459~561)	300	845	40000	700	1.4	4000
VDR-34S561K	350	460	560(504~616)	300	925	40000	730	1.4	3800
VDR-34S621K	385	505	620(558~682)	300	1025	40000	780	1.4	3600
VDR-34S681K	420	560	680(612~748)	300	1120	40000	810	1.4	3300
VDR-34S751K	460	615	750(675~825)	300	1240	40000	850	1.4	3000
VDR-34S781K	485	640	780(702~858)	300	1290	40000	930	1.4	2850
VDR-34S821K	510	670	820(738~902)	300	1355	40000	970	1.4	2700
VDR-34S911K	550	745	910(819~1001)	300	1500	40000	1050	1.4	2100
VDR-34S951K	575	765	950(855~1045)	300	1570	40000	1080	1.4	1900
VDR-34S102K	625	825	1000(900~1100)	300	1650	40000	1120	1.4	1700
VDR-34S112K	680	895	1100(990~1210)	300	1815	40000	1250	1.4	1520
VDR-34S122K	750	990	1200(1350~1650)	300	1980	40000	1250	1.4	1400
VDR-34S142K	880	1140	1400(1260~1540)	300	2310	40000	1400	1.4	1200
VDR-34S162K	1000	1280	1600(1440~1760)	300	2640	40000	1500	1.4	1100

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Dimension(mm)

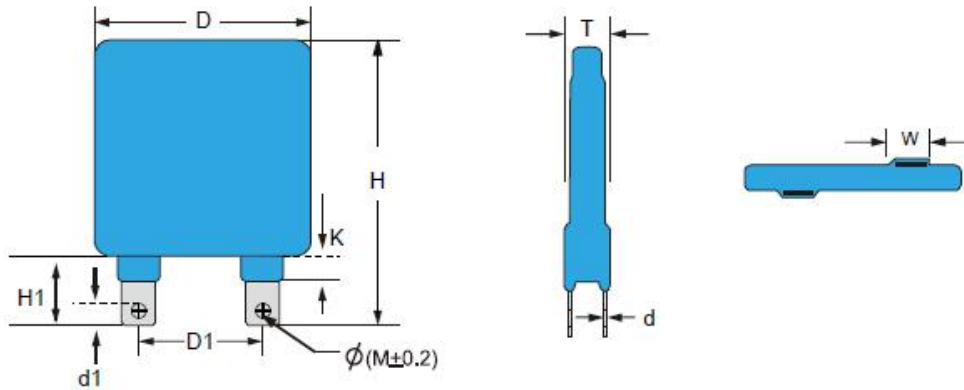


TABLE 1

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
VDR-34SxxxK	20PCS	Plastic bag	Bulk Pack

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Bulk Pack



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