

# EV4 - 14mm Zinc Oxide Varistor

## Features:

Wide Operating voltage (V1mA) range from 18V~1800V  
 Withstanding Surge Current: 1000~6500A  
 Model Size: 14mm  
 Fast responding to transient over-voltage<25ns  
 Low Clamping ratio and no following-on current  
 Rohs Compliant

## Application:

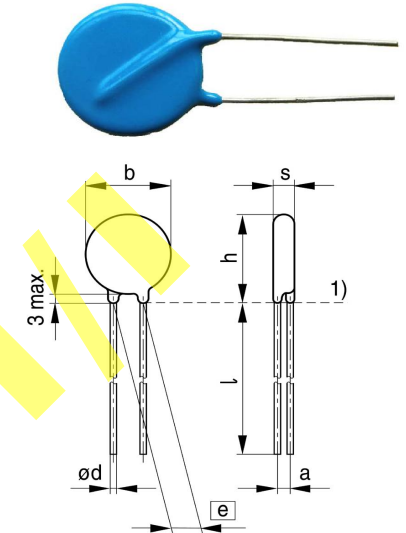
Transistor, Diode, IC, Thyristor or diac semiconductor protection  
 Surge protection in consumer electronics  
 Surge protection in industrial electronics  
 Surge protection in electronic home appliance, gas and petroleum.  
 Relay and electromagnetic valve surge absorption

## How to order:

EV4	14	D	471	K	T
MARKing	Chip Diameter	D: Disk	Voltage	Tolerance	Packing Style
	05 : 5mm	S: Square	471:47x 10 <sup>1</sup>	K=±10%	T: Tape
	07 : 7mm	E: Other		L=±15%	
	10 : 10mm				Nothing: bulk
	14 : 14mm				
20 : 20mm					

## Diameter And Size(Unit: mm)

Voltage	B (Max.)	H (Max.)	L (Min.)	E ±1	ød (Max.)	S (Max.)
180K-680K	17	19	25	7.5	0.8	5.0
820K-201K	17	19	25	7.5	0.8	5.0
221K-331K	17	19	25	7.5	0.8	5.5
361K-471K	17	19	25	7.5	0.8	6.0
511K-561K	17	19	25	7.5	0.8	6.5
621K-681K	17	19	25	7.5	0.8	7.0
751K-821K	17	19	25	7.5	0.8	7.5
911K-122K	17	19	25	7.5	0.8	8.0
142K-162K	17	19	25	7.5	0.8	10.0
182K	17	19	25	7.5	0.8	12.0



## Electrical Characteristics

Part number	Voltage at DC <sub>1mA</sub> (25°C)	Max. Continuous Applied Voltage		Max. Voltage at Class Current V <sub>c</sub> (V)	Class Current (8/20us) I <sub>p</sub> (A)	Energy Surge (10/1000us) high(J)	Std. Energy (J)	Max. Peak Current (A)	Std. I(A)	Rated Power (W)	Typical Capacitance @1KHz(pf)
		AC(V)	DC(V)								
EV4-14D180L	18(15-21.6)	11	14	38	10	5.2	3.2	2000	1000	0.1	18000
EV4-14D220K	22(19.5-24)	14	18	43	10	6.3	5.3	2000	1000	0.1	15000
EV4-14D270K	27(24-31)	17	22	53	10	7.8	6.5	2000	1000	0.1	10000
EV4-14D330K	33(29.5-36.5)	20	26	65	10	9.5	7.9	2000	1000	0.1	8500
EV4-14D390K	39(35-43)	25	31	77	10	11	9.4	2000	1000	0.1	7500
EV4-14D470K	47(42-52)	30	38	93	10	14	11	2000	1000	0.1	6500
EV4-14D560K	56(50-62)	35	45	110	10	16	13	2000	1000	0.1	5600
EV4-14D680K	68(61-75)	40	56	135	10	20	16	2000	1000	0.1	4700
EV4-14D820K	82(74-90)	50	65	135	50	28	20	6500	5000	0.6	3900
EV4-14D101K	100(90-110)	60	85	165	50	35	25	6500	5000	0.6	3400
EV4-14D121K	120(108-132)	75	100	200	50	42	30	6500	5000	0.6	3100
EV4-14D151K	150(135-165)	95	125	250	50	53	38	6500	5000	0.6	3000
EV4-14D181K	180(162-198)	115	150	300	50	65	42	6500	5000	0.6	1030
EV4-14D201K	200(180-225)	130	170	340	50	70	50	6500	5000	0.6	970
EV4-14D221K	220(198-242)	140	180	360	50	78	55	6500	5000	0.6	840
EV4-14D241K	240(216-264)	150	200	395	50	84	60	6500	5000	0.6	710
EV4-14D271K	270(243-297)	175	225	455	50	99	70	6500	5000	0.6	650
EV4-14D301K	300(270-330)	195	250	505	50	108	78	6500	5000	0.6	600
EV4-14D331K	330(297-363)	210	275	550	50	115	80	6500	5000	0.6	550
EV4-14D361K	360(324-396)	230	300	595	50	130	90	6500	5000	0.6	500
EV4-14D391K	390(351-429)	250	320	650	50	140	100	6500	5000	0.6	480
EV4-14D431K	430(387-473)	275	350	710	50	155	110	6500	5000	0.6	440
EV4-14D471K	470(423-517)	300	385	775	50	175	120	6500	5000	0.6	420
EV4-14D511K	510(459-561)	320	418	842	50	190	136	6500	5000	0.6	390
EV4-14D561K	560(504-616)	350	460	920	50	192	138	6500	5000	0.6	360
EV4-14D621K	620(558-682)	385	510	1025	50	195	140	6500	5000	0.6	320
EV4-14D681K	680(612-748)	420	560	1120	50	200	145	6500	5000	0.6	290
EV4-14D751K	750(675-825)	460	615	1240	50	210	150	6500	5000	0.6	260
EV4-14D781K	780(702-858)	485	640	1290	50	225	160	6500	5000	0.6	230
EV4-14D821K	820(738-902)	510	670	1335	50	235	165	6500	5000	0.6	230
EV4-14D911K	910(819-1002)	510	670	1335	50	155	180	6500	5000	0.6	200
EV4-14D951K	950(855-1045)	510	670	1335	50	270	190	6500	5000	0.6	190
EV4-14D102K	1000(900-1102)	625	825	1650	50	280	200	6500	5000	0.6	180
EV4-14D112K	1100(990-1212)	680	895	1815	50	310	220	6500	5000	0.6	150
EV4-14D182K	1800(1620-1982)	1000	1465	2970	50	510	360	6500	5000	0.6	120