

# Warystory przewlekane

## Features:

Wide Operating voltage (V<sub>1mA</sub>) range from 18V~1800V  
 Withstanding Surge Current: 2000~10000A  
 Model Size: 20mm  
 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

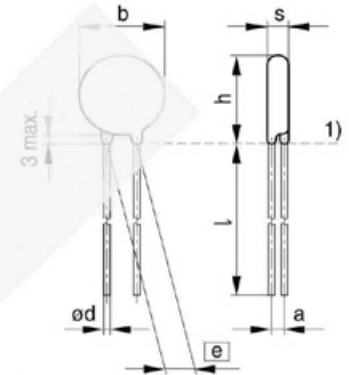
## How to order:

EV5	20	D	471	K	T
MARKing	Chip Diameter	D: Disk	Voltage	Tolerance	Packing Style
	05 : 5mm	S: Square	471:47x 10'	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	23	25	25	10	1	5.0
820K-201K	23	25	25	10	1	5.0
221K-331K	23	25	25	10	1	5.5
381K-471K	23	25	25	10	1	6.0
511K-561K	23	25	25	10	1	6.5
621K-681K	23	25	25	10	1	7.0
751K-821K	23	25	25	10	1	7.5
911K-122K	23	25	25	10	1	8.0
142K-162K	23	25	25	10	1	10.0
182K	23	25	25	10	1	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 Capatance @1KHz(pf)
		AC(V)	DC(V)								
EV5-20D180L	18(15-21.6)	11	14	38	20	13	12	3000	2000	0.2	39000
EV5-20D220K	22(19.5-24)	14	18	43	20	16	14	3000	2000	0.2	32000
EV5-20D270K	27(24-31)	17	22	53	20	19	17	3000	2000	0.2	22000
EV5-20D330K	33(29.5-36.5)	20	26	65	20	24	21	3000	2000	0.2	18000
EV5-20D390K	39(35-43)	25	31	77	20	28	25	3000	2000	0.2	16000
EV5-20D470K	47(42-52)	30	38	93	20	34	30	3000	2000	0.2	14000
EV5-20D560K	56(50-62)	35	45	110	20	41	36	3000	2000	0.2	12000
EV5-20D680K	68(61-75)	40	58	135	20	49	44	3000	2000	0.2	10000
EV5-20D820K	82(74-90)	50	65	165	100	56	50	10000	7000	1	5800
EV5-20D101K	100(90-110)	60	85	165	100	72	55	10000	7000	1	4800
EV5-20D121K	120(108-132)	75	100	200	100	88	60	10000	7000	1	3800
EV5-20D151K	150(135-165)	95	125	250	100	108	75	10000	7000	1	3000
EV5-20D181K	180(162-198)	115	150	300	100	130	90	10000	7000	1	2600
EV5-20D201K	200(180-225)	130	170	340	100	160	115	10000	7000	1	2000
EV5-20D221K	220(198-242)	140	180	360	100	180	130	10000	7000	1	1800
EV5-20D241K	240(216-264)	150	200	395	100	200	140	10000	7000	1	1500
EV5-20D271K	270(243-297)	175	225	455	100	210	145	10000	7000	1	1400
EV5-20D301K	300(270-330)	195	250	505	100	216	148	10000	7000	1	1350
EV5-20D331K	330(297-363)	210	275	550	100	228	160	10000	7000	1	1300
EV5-20D361K	360(324-396)	230	300	595	100	255	180	10000	7000	1	1250
EV5-20D391K	390(351-429)	250	320	650	100	275	195	10000	7000	1	1180
EV5-20D431K	430(387-473)	275	350	710	100	303	215	10000	7000	1	1100
EV5-20D471K	470(423-517)	300	385	775	100	350	250	10000	7000	1	1050
EV5-20D511K	510(459-561)	320	418	842	100	382	273	10000	7000	1	1000
EV5-20D561K	560(504-616)	350	460	920	100	385	277	10000	7000	1	970
EV5-20D621K	620(558-682)	385	510	1025	100	390	280	10000	7000	1	950
EV5-20D681K	680(612-748)	420	560	1120	100	400	290	10000	7000	1	900
EV5-20D751K	750(675-825)	460	615	1240	100	420	300	10000	7000	1	850
EV5-20D781K	780(702-858)	485	640	1290	100	445	315	10000	7000	1	750
EV5-20D821K	820(738-902)	510	670	1335	100	460	325	10000	7000	1	700
EV5-20D911K	910(819-1002)	510	670	1335	100	510	360	10000	7000	1	600
EV5-20D951K	950(855-1045)	510	670	1335	100	535	380	10000	7000	1	550
EV5-20D102K	1000(900-1102)	625	825	1650	100	560	400	10000	7000	1	500
EV5-20D112K	1100(990-1212)	680	895	1815	100	620	440	10000	7000	1	450
EV5-20D182K	1800(1620-1982)	1000	1465	2970	100	1020	720	10000	7000	1	220