

### ZA Series Ratings & Specifications

Part Number	Branding	Model Size Disc Dia. (mm)	Maximum Rating (85°C)				Specifications (25°C)				
			Continuous		Transient		Varistor Voltage at 1mA DC Test Current		Maximum Clamping Voltage 8 x 20µs		Typical Capacitance f = 1MHz
			V <sub>RMS</sub>	V <sub>DC</sub>	Energy 10 x 1000µs	Peak Current 8 x 20µs					
			V <sub>M(AC)</sub>	V <sub>M(DC)</sub>	W <sub>TM</sub>	I <sub>TM</sub>	V <sub>NOM Min</sub>	V <sub>NOM Max</sub>	V <sub>C</sub>	I <sub>PK</sub>	C
(V)	(V)	(J)	(A)	(V)	(V)	(V)	(A)	(pF)			
V8ZA05P	PZ08	5	4	5.5	0.1	50	6	11	30	1	2000
V8ZA1P	P08Z1	7	4	5.5	0.4	100	6	11	22	2.5	4190
V8ZA2P	P08Z2	10	4	5.5	0.8	250	6	11	20	5	7000
V12ZA05P	PZ12	5	6	8	0.14	50	9	16	37	1	1700
V12ZA1P	P12Z1	7	6	8	0.6	100	9	16	34	2.5	3350
V12ZA2P	P12Z2	10	6	8	1.2	250	9	16	30	5	6100
V18ZA05P	PZ18	5	10	14	0.17	100	14.4	21.6	36	1	1400
V18ZA1P	P18Z1	7	10	14	0.8	250	14.4	21.6	36	2.5	2700
V18ZA2P	P18Z2	10	10	14	1.5	500	14.4	21.6	36	5	5300
V18ZA3P	P18Z3	14	10	14	3.5	1000	14.4	21.6	36	10	18870
V18ZA20P	P18Z20	20	10	14	10	2000	14.4	21.6	37	20	22000
V18ZA40P	P18Z40	20	10	14	80 (Note 2)	2000	14.4 (Note 3)	21.6	37	20	22000
V22ZA05P	PZ22	5	14	18	0.2	100	18.7	26	43	1	1220
V22ZA1P	P22Z1	7	14	18	0.9	250	18.7	26	43	2.5	2375
V22ZA2P	P22Z2	10	14	18	2	500	18.7	26	43	5	4500
V22ZA3P	P22Z3	14	14	18	4	1000	18.7	26	43	10	14730
V24ZA20P	P24Z20	20	14	18	12	2000	18.7	26	43	20	18000
V24ZA50P	P24Z50	20	14	18 (Note 4)	100 (Note 2)	2000	19.2 (Note 3)	26	43	20	18000
V27ZA05P	PZ27	5	17	22	0.25	100	23	31.1	53	1	920
V27ZA1P	P27Z1	7	17	22	1	250	23	31.1	53	2.5	1875
V27ZA2P	P27Z2	10	17	22	2.5	500	23	31.1	53	5	3850
V27ZA4P	P27Z4	14	17	22	5	1000	23	31.1	53	10	11480
V27ZA20P	P27Z20	20	17	22	14	2000	23	31.1	53	20	13000
V27ZA60P	P27Z60	20	17	22	120 (Note 2)	2000	23 (Note 3)	31.1	50	20	13000
V33ZA05P	PZ33	5	20	26	0.3	100	29.5	38	65	1	790
V33ZA1P	P33Z1	7	20	26	1.2	250	29.5	36.5	65	2.5	1620
V33ZA2P	P33Z2	10	20	26	3	500	29.5	36.5	65	5	3495
V33ZA5P	P33Z5	14	20	26	6	1000	29.5	36.5	65	10	9290
V33ZA20P	P33Z20	20	20	26	18	2000	29.5	36.5	65	20	13000
V33ZA70P	P33Z70	20	21	27	150 (Note 2)	2000	29.5 (Note 3)	36.5	58	20	13000
V36ZA20P	P36Z20	20	23	28	20	2000	32	40	70	20	12000
V36ZA80P	P36Z80	20	23	31	160 (Note 2)	2000	32 (Note 3)	40	63	20	12000
V39ZA05P	PZ39	5	25	31	0.3	100	35	46	79	1	675
V39ZA1P	P39Z1	7	25	31	1.2	250	35	43	79	2.5	1350
V39ZA3P	P39Z3	10	25	31	3	500	35	43	76	5	3100
V39ZA6P	P39Z6	14	25	31	7.2	1000	35	43	76	10	7000
V39ZA20P	P39Z20	20	25	31	20	2000	35	43	76	20	12000
V47ZA05P	PZ47	5	30	38	0.4	100	42	55	93	1	585
V47ZA1P	P47Z1	7	30	38	1.8	250	42	52	93	2.5	1245
V47ZA3P	P47Z3	10	30	38	4.5	500	42	52	93	5	2590
V47ZA7P	P47Z7	14	30	38	8.8	1000	42	52	93	10	6270
V47ZA20P	P47Z20	20	30	38 (Note 6)	23 (Note 7)	2000	42	52	93	20	11000