

GENERAL PURPOSE & INDUSTRIAL

ZENER DIODES

Type	V _{ZT} /I _{ZT} *		r _{ZT} /I _{ZT} *	I _{ZT} *	r _{ZK} /I _{ZK}		αVZ		I _R / V _R		V _R	I _{ZM}	I _{ZSM}	Package
	min	max	max	(mA)	max	(mA)	min	max	T _{amb} 25°C	T _{amb} 150°C	(V)	(mA)	(mA)	

500 mW / T_{amb} = 25°C T_j max = 175°C

V_F ≤ 1.5 V (T_{amb} = 25°C, I_F = 0.2 A)

BZV 55 C 0V8 (1)	0.73	0.83	8	5	600	1								
P BZV 55 C 2V4	2.28	2.56	85	5	600	1	-8	-6	50	100	1	155	1720	
P BZV 55 C 2V7	2.5	2.9	85	5	600	1	-8	-6	10	50	1	135	1600	
BZV 55 C 3V0	2.8	3.2	85	5	600	1	-8	-6	4	40	1	125	1500	
P BZV 55 C 3V3	3.1	3.5	85	5	600	1	-8	-5	2	40	1	115	1400	
P BZV 55 C 3V6	3.4	3.8	85	5	600	1	-8	-4	2	40	1	105	1330	
P BZV 55 C 3V9	3.7	4.1	85	5	600	1	-7	-3	2	40	1	95	1270	
P BZV 55 C 4V3	4.0	4.6	75	5	600	1	-4	-1	1	20	1	90	1220	
P BZV 55 C 4V7	4.4	5.0	60	5	600	1	-3	1	0.5	10	1	85	1160	
P BZV 55 C 5V1	4.8	5.4	35	5	550	1	-2	5	0.1	2	1	80	1100	
P BZV 55 C 5V6	5.2	6.0	25	5	450	1	-1	6	0.1	2	1	70	1040	
P BZV 55 C 6V2	5.8	6.6	10	5	200	1	0	7	0.1	2	2	64	980	
P BZV 55 C 6V8	6.4	7.2	8	5	150	1	1	8	0.1	2	3	58	900	
P BZV 55 C 7V5	7.0	7.9	7	5	50	1	1	9	0.1	2	5	53	810	
P BZV 55 C 8V2	7.7	8.7	7	5	50	1	1	9	0.1	2	6.2	47	760	
P BZV 55 C 9V1	8.5	9.6	10	5	50	1	2	10	0.1	2	6.8	43	670	
P BZV 55 C 10	9.4	10.6	15	5	70	1	3	11	0.1	2	7.5	40	600	
P BZV 55 C 11	10.4	11.6	20	5	70	1	3	11	0.1	2	8.2	36	550	
P BZV 55 C 12	11.4	12.7	20	5	90	1	3	11	0.1	2	9.1	32	500	
BZV 55 C 13	12.4	14.1	26	5	110	1	3	11	0.1	2	10	29	450	
P BZV 55 C 15	13.8	15.6	30	5	110	1	3	11	0.1	2	11	27	380	
BZV 55 C 16	15.3	17.1	40	5	170	1	3	11	0.1	2	12	24	350	
BZV 55 C 18	16.8	19.1	50	5	170	1	3	11	0.1	2	13	21	300	
BZV 55 C 20	18.8	21.2	55	5	220	1	3	11	0.1	2	15	20	270	
BZV 55 C 22	20.8	23.3	55	5	220	1	3	11	0.1	2	16	18	250	
BZV 55 C 24	22.8	25.6	80	5	220	1	4	12	0.1	2	18	16	225	
BZV 55 C 27	25.1	28.9	80	5	220	1	4	12	0.1	2	20	14	200	
BZV 55 C 30	28	32	80	5	220	1	4	12	0.1	2	22	13	190	
BZV 55 C 33	31	35	80	5	220	1	4	12	0.1	2	24	12	175	
BZV 55 C 36	34	38	80	5	220	1	4	12	0.1	2	27	11	160	
BZV 55 C 39	37	41	90	2.5	500	0.5	4	12	0.1	5	30	10	148	
BZV 55 C 43	40	46	90	2.5	600	0.5	4	12	0.1	5	33	9.2	135	
BZV 55 C 47	44	50	110	2.5	700	0.5	4	12	0.1	5	36	8.5	123	
BZV 55 C 51	48	54	125	2.5	700	0.5	4	12	0.1	10	39	7.8	113	
BZV 55 C 56	52	60	135	2.5	1000	0.5	4	12	0.1	10	43	7.0	104	
BZV 55 C 62	58	66	150	2.5	1000	0.5	4	12	0.1	10	47	6.4	93	
BZV 55 C 68	64	72	200	2.5	1000	0.5	4	12	0.1	10	51	5.9	87	
BZV 55 C 75	70	80	250	2.5	1500	0.5	4	12	0.1	10	56	5.3	79	
BZV 55 C 82	77	87	300	2.5	2000	0.5	4	12	0.1	10	62	4.8	72	
BZV 55 C 91	85	96	450	1	5000	0.1	4	12	0.1	10	68	4.4	65	
BZV 55 C 100	94	106	450	1	5000	0.1	4	12	0.1	10	75	4.0	59	
BZV 55 C 110	104	116	600	1	5000	0.1	4	12	0.1	10	82	3.6	54	
BZV 55 C 120	114	127	800	1	5000	0.1	4	12	0.1	10	91	3.3	49	
BZV 55 C 130	124	141	1000	1	5000	0.1	4	12	0.1	10	100	3.0	45	
BZV 55 C 150	138	156	1200	1	5000	0.1	4	12	0.1	10	110	2.6	39	
BZV 55 C 160	153	171	1500	1	5000	0.1	4	12	0.1	10	120	2.5	37	
BZV 55 C 180	168	191	1800	1	5000	0.1	4	12	0.1	10	130	2.2	33	
BZV 55 C 200	188	212	2000	1	5000	0.1	4	12	0.1	10	150	2.0	30	

MINIMELF

*Pulse test 20 ms ≤ t_p ≤ 50 ms δ < 2%
 The regulation voltages are defined according to the E 24 series.
 P : Preferred voltages.
 (1) BZV 55 C 0V8 is to be used with forward bias.