ZENER DIODES

STANDARD ZENER DIODES

Type	V_{ZT} / I_{ZT}* nom. (V)	I_{ZT}* (mA)	r_{ZT} / I_{ZT}* max. (Ω)	r_{ZK} / I_{ZK} 1.0 mA (Ω)	I_R / V_R max. (μA)	V_R (V)	αV_Z typ. (10^{-4}/°C)	I_{ZM} T_{amb} 75°C max. (mA)	V_Z max. (V) **	Package
5 W / T_{amb} = 75°C T_j max = 200°C				P_s (10 ms) = 150 W					$V_F \leq 1.2$ V (T_{amb} = 25°C, I_F = 1 A)	
1N 5333 B	3.3	380	3.0	400	300	1.0	- 6	1440	0.85	
1N 5334 B	3.6	350	2.5	500	150	1.0	- 5.5	1320	0.80	
1N 5335 B	3.9	320	2.0	500	50	1.0	- 5	1220	0.54	
1N 5336 B	4.3	290	2.0	500	10	1.0	- 4	1100	0.49	
1N 5337 B	4.7	260	2.0	450	5.0	1.0	- 2	1010	0.44	
P 1N 5338 B	5.1	240	1.5	400	1.0	1.0	1	930	0.39	
P 1N 5339 B	5.6	220	1.0	400	1.0	2.0	2.5	865	0.25	
1N 5340 B	6.0	200	1.0	300	1.0	3.0	2.8	790	0.19	
P 1N 5341 B	6.2	200	1.0	200	1.0	3.0	3.2	765	0.10	
P 1N 5342 B	6.8	175	1.0	200	10	5.2	4	700	0.15	
1N 5343 B	7.5	175	1.5	200	10	5.7	4.5	630	0.15	
1N 5344 B	8.2	150	1.5	200	10	6.2	4.8	580	0.20	
1N 5345 B	8.7	150	2.0	200	10	6.6	4.9	545	0.20	
1N 5346 B	9.1	150	2.0	150	7.5	6.9	5.1	520	0.22	
1N 5347 B	10	125	2.0	125	5.0	7.6	5.5	475	0.22	
1N 5348 B	11	125	2.5	125	5.0	8.4	6	430	0.25	
P 1N 5349 B	12	100	2.5	125	2.0	9.1	6.5	395	0.25	
1N 5350 B	13	100	2.5	100	1.0	9.9	6.5	365	0.25	
1N 5351 B	14	100	2.5	75	1.0	10.6	7	340	0.25	
P 1N 5352 B	15	75	2.5	75	1.0	11.5	7	315	0.25	
P 1N 5353 B	16	75	2.5	75	1.0	12.2	7	295	0.30	
1N 5354 B	17	70	2.5	75	0.5	12.9	7	280	0.35	
P 1N 5355 B	18	65	2.5	75	0.5	13.7	7.5	264	0.40	
1N 5356 B	19	65	3.0	75	0.5	14.4	7.5	250	0.40	
1N 5357 B	20	65	3.0	75	0.5	15.2	7.5	237	0.40	
P 1N 5358 B	22	50	3.5	75	0.5	16.7	8	216	0.45	
P 1N 5359 B	24	50	3.5	100	0.5	18.2	8	198	0.55	
1N 5360 B	25	50	4.0	110	0.5	19.0	8	190	0.55	CB-417
P 1N 5361 B	27	50	5.0	120	0.5	20.6	8.5	176	0.60	
1N 5362 B	28	50	6.0	130	0.5	21.2	8.5	170	0.60	
P 1N 5363 B	30	40	8.0	140	0.5	22.8	8.5	158	0.60	
1N 5364 B	33	40	10	150	0.5	25.1	8.5	144	0.60	
P 1N 5365 B	36	30	11	160	0.5	27.4	9	132	0.65	
1N 5366 B	39	30	14	170	0.5	29.7	9	122	0.65	
1N 5367 B	43	30	20	190	0.5	32.7	9	110	0.70	
1N 5368 B	47	25	25	210	0.5	35.8	9	100	0.80	
1N 5369 B	51	25	27	230	0.5	38.8	9	93	0.90	
1N 5370 B	56	20	35	280	0.5	42.6	9	86	1.00	
1N 5371 B	60	20	40	350	0.5	45.5	9	79	1.20	
P 1N 5372 B	62	20	42	400	0.5	47.1	9	76	1.35	
1N 5373 B	68	20	44	500	0.5	51.7	9	70	1.50	
1N 5374 B	75	20	45	620	0.5	56.0	9	63	1.60	
1N 5375 B	82	15	65	720	0.5	62.2	9	58	1.80	
1N 5376 B	87	15	75	760	0.5	66.0	9	54.5	2.00	
1N 5377 B	91	15	75	760	0.5	69.2	9	52,5	2.20	
P 1N 5378 B	100	12	90	800	0.5	76.0	9.5	47.5	2.50	
1N 5379 B	110	12	125	1000	0.5	83.6	9.5	43	2.50	
1N 5380 B	120	10	170	1150	0.5	91.2	9.5	39.5	2.50	
1N 5381 B	130	10	190	1250	0.5	98.8	9.5	36.5	2.50	
1N 5382 B	140	8.0	230	1500	0.5	106	9.5	34	2.50	
P 1N 5383 B	150	8.0	330	1500	0.5	114	9.5	31.6	3.00	
1N 5384 B	160	8.0	350	1650	0.5	122	9.5	29.4	3.00	
1N 5385 B	170	8.0	380	1750	0.5	129	9.5	28	3.00	
P 1N 5386 B	180	5.0	430	1750	0.5	137	9.5	26.4	4.00	
1N 5387 B	190	5.0	450	1850	0.5	144	9.5	25	5.00	
P 1N 5388 B	200	5.0	480	1850	0.5	152	10	23.6	5.00	

Tolerance on nominal V_{ZT} value : ± 5%.
P : Preferred voltages.

* Pulse test $t_p \leq 50$ms $\delta < 2\%$.
** Measured between 10% and 50% of I_{ZM}.

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