

ZENER DIODES

PREFERRED SERIES JEDEC SERIES

STANDARD ZENER DIODES

Type	V_{ZT} / I_{ZT}^*	r_{ZT} / I_{ZT}^*	I_{ZT}^*	r_{ZK} / I_{ZK}	α_{VZ}	I_R / V_R T_{amb} 25°C	V_R	I_{ZM} T_{amb} 75°C	Package
	nom (V)	max (Ω)	(mA)	max (Ω) (mA)	max (10 ⁻⁴ /°C)	max (μA)	(V)	(mA)	

 500 mW / $T_{amb} = 75^\circ\text{C}$ $T_j \text{ max} = 200^\circ\text{C}$
 $V_F \leq 1.1 \text{ V} (T_{amb} = 25^\circ\text{C}, I_F = 0.2 \text{ A})$

P 1N 5221 B	2.4	30	20	1200	0.25	— 8.5	100	1.0	191	DO 35
1N 5222 B	2.5	30	20	1250	0.25	— 8.5	100	1.0	182	
P 1N 5223 B	2.7	30	20	1300	0.25	— 8.0	75	1.0	168	
1N 5224 B	2.8	30	20	1400	0.25	— 8.0	75	1.0	162	
1N 5225 B	3.0	29	20	1600	0.25	— 7.5	50	1.0	151	
P 1N 5226 B	3.3	28	20	1600	0.25	— 7.0	25	1.0	138	
P 1N 5227 B	3.6	24	20	1700	0.25	— 6.5	15	1.0	126	
P 1N 5228 B	3.9	23	20	1900	0.25	— 6.0	10	1.0	115	
P 1N 5229 B	4.3	22	20	2000	0.25	± 5.5	5	1.0	106	
P 1N 5230 B	4.7	19	20	1900	0.25	± 3.0	5	2.0	97	
P 1N 5231 B	5.1	17	20	1600	0.25	± 3.0	5	2.0	89	
P 1N 5232 B	5.6	11	20	1600	0.25	+ 3.8	5	3.0	81	
1N 5233 B	6.0	7.0	20	1600	0.25	+ 3.8	5	3.5	76	
P 1N 5234 B	6.2	7.0	20	1000	0.25	+ 4.5	5	4.0	73	
P 1N 5235 B	6.8	5.0	20	750	0.25	+ 5.0	3	5.0	67	
P 1N 5236 B	7.5	6.0	20	500	0.25	+ 5.8	3	6.0	61	
P 1N 5237 B	8.2	8.0	20	500	0.25	+ 6.2	3	6.5	55	
1N 5238 B	8.7	8.0	20	600	0.25	+ 6.5	3	6.5	52	
P 1N 5239 B	9.1	10	20	600	0.25	+ 6.8	3	7.0	50	
P 1N 5240 B	10	17	20	600	0.25	+ 7.5	3	8.0	45	
1N 5241 B	11	22	20	600	0.25	+ 7.6	2	8.4	41	
P 1N 5242 B	12	30	20	600	0.25	+ 7.7	1	9.1	38	
P 1N 5243 B	13	13	9.5	600	0.25	+ 7.9	0.5	9.9	35	
P 1N 5244 B	14	15	9.0	600	0.25	+ 8.2	0.1	10	32	
P 1N 5245 B	15	16	8.5	600	0.25	+ 8.2	0.1	11	30	
P 1N 5246 B	16	17	7.8	600	0.25	+ 8.3	0.1	12	28	
1N 5247 B	17	19	7.4	600	0.25	+ 8.4	0.1	13	27	
P 1N 5248 B	18	21	7.0	600	0.25	+ 8.5	0.1	14	25	
1N 5249 B	19	23	6.6	600	0.25	+ 8.6	0.1	14	24	
1N 5250 B	20	25	6.2	600	0.25	+ 8.6	0.1	15	23	
P 1N 5251 B	22	29	5.6	600	0.25	+ 8.7	0.1	17	21	
P 1N 5252 B	24	33	5.2	600	0.25	+ 8.8	0.1	18	19.1	
1N 5253 B	25	35	5.0	600	0.25	+ 8.9	0.1	19	18.2	
1N 5254 B	27	41	4.6	600	0.25	+ 9.0	0.1	21	16.8	
1N 5255 B	28	44	4.5	600	0.25	+ 9.1	0.1	21	16.2	
1N 5256 B	30	49	4.2	600	0.25	+ 9.1	0.1	23	15.1	
1N 5257 B	33	58	3.8	700	0.25	+ 9.2	0.1	25	13.8	
1N 5258 B	36	70	3.4	700	0.25	+ 9.3	0.1	27	12.6	
1N 5259 B	39	80	3.2	800	0.25	+ 9.4	0.1	30	11.5	
1N 5260 B	43	93	3.0	900	0.25	+ 9.5	0.1	33	10.6	
1N 5261 B	47	105	2.7	1000	0.25	+ 9.5	0.1	36	9.7	
1N 5262 B	51	125	2.5	1100	0.25	+ 9.6	0.1	39	8.9	
1N 5263 B	56	150	2.2	1300	0.25	+ 9.6	0.1	43	8.1	
1N 5264 B	60	170	2.1	1400	0.25	+ 9.7	0.1	46	7.6	
1N 5265 B	62	185	2.0	1400	0.25	+ 9.7	0.1	47	7.3	
1N 5266 B	68	230	1.8	1600	0.25	+ 9.7	0.1	52	6.7	
1N 5267 B	75	270	1.7	1700	0.25	+ 9.8	0.1	56	6.1	
1N 5268 B	82	330	1.5	2000	0.25	+ 9.8	0.1	62	5.5	
1N 5269 B	87	370	1.4	2200	0.25	+ 9.9	0.1	68	5.2	
1N 5270 B	91	400	1.4	2300	0.25	+ 9.9	0.1	69	5.0	
P 1N 5271 B	100	500	1.3	2600	0.25	+ 11.0	0.1	76	4.5	
P 1N 5272 B	110	750	1.1	3000	0.25	+ 11.0	0.1	84	4.1	
1N 5273 B	120	900	1.0	4000	0.25	+ 11.0	0.1	91	3.8	
1N 5274 B	130	1100	0.95	4500	0.25	+ 11.0	0.1	99	3.5	
1N 5275 B	140	1300	0.90	4500	0.25	+ 11.0	0.1	106	3.2	
1N 5276 B	150	1500	0.85	5000	0.25	+ 11.0	0.1	114	3.0	
1N 5277 B	160	1700	0.80	5500	0.25	+ 11.0	0.1	122	2.8	
1N 5278 B	170	1900	0.74	5500	0.25	+ 11.0	0.1	129	2.7	
1N 5279 B	180	2200	0.68	6000	0.25	+ 11.0	0.1	137	2.5	
1N 5280 B	190	2400	0.66	6500	0.25	+ 11.0	0.1	144	2.4	
1N 5281 B	200	2500	0.65	7000	0.25	+ 11.0	0.1	152	2.3	

 * Measure under thermal equilibrium and DC current test conditions ($T_{amb} 25^\circ\text{C}$).

 Tolerance on nominal V_{ZT} value : $\pm 5\%$.

P : Preferred voltages.

Tight tolerances on preferred voltages :

 1N 52.. C : $\pm 2\%$.

 1N 52.. D : $\pm 1\%$.