

ZENER DIODES

STANDARD ZENER DIODES

PREFERRED SERIES JEDEC SERIES

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} 50°C	Package
	nom (V)	max (Ω)	(mA)	max (Ω) (mA)	typ (10 ⁻⁴ /°C)	max (μ A)	(V)	(mA)	

1 W / $T_{amb} = 50^\circ\text{C}$ $T_j \text{ max} = 200^\circ\text{C}$

$V_F \leq 1.2 \text{ V}$ ($T_{amb} = 25^\circ\text{C}$, $I_F = 0.2 \text{ A}$)

P 1N 4728 A	3.3	10	76	400	1	- 6	100	1.0	276	DO 41
1N 4729 A	3.6	10	69	400	1	- 6	100	1.0	252	
P 1N 4730 A	3.9	9	64	400	1	- 5	50	1.0	234	
1N 4731 A	4.3	9	58	400	1	- 3	10	1.0	217	
P 1N 4732 A	4.7	8	53	500	1	- 1	10	1.0	193	
P 1N 4733 A	5.1	7	49	550	1	1	10	1.0	178	
P 1N 4734 A	5.6	5	45	600	1	3	10	2.0	162	
P 1N 4735 A	6.2	2	41	700	1	4	10	3.0	146	
P 1N 4736 A	6.8	3.5	37	700	1	5	10	4.0	133	
P 1N 4737 A	7.5	4	34	700	0.5	5	10	5.0	121	
P 1N 4738 A	8.2	4.5	31	700	0.5	6	10	6.0	110	
P 1N 4739 A	9.1	5	28	700	0.5	6	10	7.0	100	
P 1N 4740 A	10	7	25	700	0.25	7	10	7.6	91	
1N 4741 A	11	8	23	700	0.25	7	5	8.4	83	
P 1N 4742 A	12	9	21	700	0.25	7	5	9.1	76	
P 1N 4743 A	13	10	19	700	0.25	7	5	9.9	69	
P 1N 4744 A	15	14	17	700	0.25	8	5	11.4	61	
P 1N 4745 A	16	16	15.5	700	0.25	8	5	12.2	57	
P 1N 4746 A	18	20	14	750	0.25	8	5	13.7	50	
P 1N 4747 A	20	22	12.5	750	0.25	8	5	15.2	45	
P 1N 4748 A	22	23	11.5	750	0.25	8	5	16.7	41	
P 1N 4749 A	24	25	10.5	750	0.25	8	5	18.2	38	
P 1N 4750 A	27	35	9.5	750	0.25	9	5	20.6	34	
P 1N 4751 A	30	40	8.5	1000	0.25	9	5	22.8	30	
P 1N 4752 A	33	45	7.5	1000	0.25	9	5	25.1	27	
P 1N 4753 A	36	50	7.0	1000	0.25	9	5	27.4	25	
1N 4754 A	39	60	6.5	1000	0.25	9	5	29.7	23	
1N 4755 A	43	70	6.0	1500	0.25	9	5	32.7	22	
P 1N 4756 A	47	80	5.5	1500	0.25	9	5	35.8	19	
P 1N 4757 A	51	95	5.0	1500	0.25	9	5	38.8	18	
1N 4758 A	56	110	4.5	2000	0.25	9	5	42.6	16	
P 1N 4759 A	62	125	4.0	2000	0.25	9	5	47.1	14	
P 1N 4760 A	68	150	3.7	2000	0.25	9	5	51.7	13	
1N 4761 A	75	175	3.3	2000	0.25	9	5	56	12	
P 1N 4762 A	82	200	3.0	3000	0.25	9	5	62.2	11	
1N 4763 A	91	250	2.8	3000	0.25	9	5	69.2	10	
1N 4764 A	100	350	2.5	3000	0.25	9	5	76	9	
1N 4187 B	110	450	2.3	4000	0.25	10	5	83.6	8.6	
1N 4188 B	120	550	2.0	4500	0.25	10	5	91.2	7.8	
1N 4189 B	130	700	1.9	5000	0.25	10	5	98.8	7	
1N 4190 B	150	1000	1.7	6000	0.25	10	5	114	6.4	
1N 4191 B	160	1100	1.6	6500	0.25	10	5	121.6	5.8	
1N 4192 B	180	1200	1.4	7000	0.25	10	5	136.8	5.2	
1N 4193 B	200	1500	1.2	8000	0.25	10	5	152	4.7	

* 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 47.. C : $\pm 2\%$.

1N 47.. D : $\pm 1\%$.