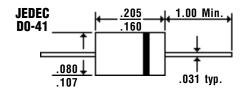


1 Watt ZENER DIODES (3.3V to 100V)

1N4728...4764 Series

Description

Mechanical Dimensions

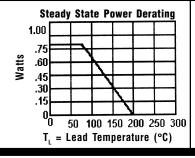


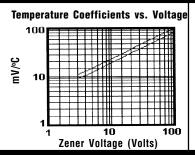
Features

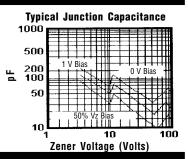
■ 5 & 10% VOLTAGE TOLERANCES AVAILABLE

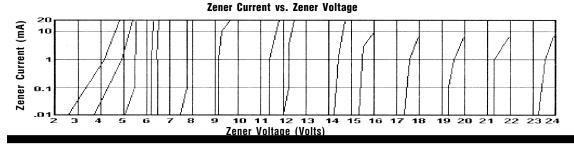
- WIDE VOLTAGE RANGE
- MEETS UL SPECIFICATION 94V-0

Maximum Ratings	1N47284764 Series	Units
DC Power Dissipation with $T_L = > = 75^{\circ}C \dots P_D$	1	Watt
Lead Length = .375 Inches		
Derate Above 50 °C	6.67	mW / °C
Operating & Storage Temperature Range T_J , T_{STRG}	65 to 100	°C









1 Watt ZENER DIODES (3.3V to 100V)

NOTES: 1. For 10% Tolerance on Zener Voltage, Specify No Suffix. For 5% Tolerance, Specify Suffix "A" (Fyample: 1N4728A = 3.3V ±/- 5%)

Specify Suffix "A". (Example: 1N4728A = 3.3V + /-5%) 2. $T_A = 25$ °C unless otherwise specified. Measurements made at Thermal Equilibrium.

Lead Length = .375". Thermal Resistance of Heat Sink = 30° C / W, $V_F = 1.1$ V Max. @ $I_F = 200$ mA.

Electrical Characteristics @ 25°C.

Part# Jedec Type#	Nominal	Test Current Izt Max	MAX. ZENER IMPEDANCE		MAX. REVERSE		MAX	
	Zener Voltage		Zzt @ Izt Ohms	Zzk@lzk Ohms	izk mA	LEAKAGE I _R (μ A)	CURRENT V _r	SURGE CURRENT T _A =25°C
1N4728 1N4729 1N4730 1N4731 1N4732	3.3 3.6 3.9 4.3 4.7	76 69 64 58 53	10 10 9 9	400 400 400 400 500	1 1 1 1 1	100 100 50 10 10	1 1 1 1	1380 1260 1190 1070 970
1N4733 1N4734 1N4735 1N4736 1N4737	5.1 5.6 6.2 7.5 8.2	49 45 41 37 34	7 5 2 3.5 4	550 600 700 700 700	1 1 1 1 0.5	10 10 10 10 10	1 2 3 4 5	890 810 730 660 605
1N4738 1N4739 1N4740 1N4741 1N4742	6.0 9.1 10 11 12	31 28 25 23 21	4.5 5 7 8 9	700 700 700 700 700 700	0.5 0.5 0.25 0.25 0.25	10 10 10 5 5	6 7 7.6 8.4 9.1	550 500 454 414 380
1N4743 1N4744 1N4745 1N4746 1N4747	13 15 16 18 20	19 17 15.5 14 12.5	10 14 16 20 22	700 700 700 750 750	0.25 0.25 0.25 0.25 0.25 0.25	5 5 5 5 5	9.9 11.4 12.2 13.7 15.2	344 304 285 250 225
1N4748 1N4749 1N4750 1N4751 1N4752	22 24 27 30 33	11.5 10.5 9.5 8.5 7.5	23 25 35 40 45	750 750 750 750 1000	0.25 0.25 0.25 0.25 0.25 0.25	55555	16.7 18.2 20.6 22.8 25.1	205 190 170 150 135
1N4753 1N4754 1N4755 1N4756 1N4757	36 39 43 47 51	7.0 6.5 6.0 5.5 5.0	50 60 70 80 95	1500 1500 1500 1500 1500	0.25 0.25 0.25 0.25 0.25 0.25	5 5 5 5 5 5 5	27.4 29.7 32.7 35.8 38.8	125 115 110 95 90
1N4758 1N4759 1N4760 1N4761 1N4762	56 62 68 75 82	4.5 4.0 3.7 3.3 3.0	110 125 150 175 200	2000 2000 2000 2000 2000 3000	0.25 0.25 0.25 0.25 0.25	5 5 5 5 5 5	42.6 47.1 51.7 56 62.2	80 70 65 60 55
1N4763 1N4764	91 100	2.8 2.5	250 350	3000 3000	0.25 0.25	5 5	69.2 76	5 0 4 5