

10 WATT, Metal (Case DO-4, 10-32)

10-00 1635M TTAW 0

JEDEC TYPE NUMBER †	NOMINAL ZENER VOLTAGE V _Z VOLTS	TEST CURRENT I _{ZT} mA	MAXIMUM ZENER IMPEDANCE			MAXIMUM REVERSE LEAKAGE CURRENT			MAXIMUM DC ZENER CURRENT I _{ZM} mA
			Z _{ZT} @ I _{ZT} Ohms	Z _{ZK} @ I _{ZK} Ohms	I _R μA	@ V _{R1} * @ 25°C VOLTS	V _{R2} ** VOLTS		
1N2970B	6.8	370	1.2	500	1.0	150	5.2	4.9	1320
1N2971B	7.5	335	1.3	250	1.0	75	5.7	5.4	1180
1N2972B	8.2	305	1.5	250	1.0	50	6.2	5.9	1040
1N2973B	9.1	275	2.0	250	1.0	25	6.9	6.6	960
1N2974B	10	250	3.0	250	1.0	10	7.6	7.2	860
1N2975B	11	230	3.0	250	1.0	5.0	8.4	8.0	780
1N2976B	12	210	3.0	250	1.0	5.0	9.1	8.6	720
1N2977B	13	190	3.0	250	1.0	5.0	9.9	9.4	660
1N2978B	14	180	3.0	250	1.0	5.0	10.6	10.1	600
1N2979B	15	170	3.0	250	1.0	5.0	11.4	10.8	560
1N2980B	16	155	4.0	250	1.0	5.0	12.2	11.5	530
1N2981B	17	145	4.0	250	1.0	5.0	13.0	12.2	500
1N2982B	18	140	4.0	250	1.0	5.0	13.7	13.0	460
1N2983B	19	130	4.0	250	1.0	5.0	14.4	13.7	440
1N2984B	20	125	4.0	250	1.0	5.0	15.2	14.4	420
1N2985B	22	115	5.0	250	1.0	5.0	16.7	15.8	380
1N2986B	24	105	5.0	250	1.0	5.0	18.2	17.3	350
1N2987B	25	100	6.0	250	1.0	5.0	19.6	18.0	336
1N2988B	27	95	7.0	250	1.0	5.0	20.6	19.4	300
1N2989B	30	85	8.0	300	1.0	5.0	22.8	21.6	280
1N2990B	33	75	9.0	300	1.0	5.0	25.1	23.8	260
1N2991B	36	70	10	300	1.0	5.0	27.4	25.9	230
1N2992B	39	65	11	300	1.0	5.0	29.7	28.1	210
1N2993B	43	60	12	400	1.0	5.0	32.7	31.0	195
1N2994B	45	55	13	400	1.0	5.0	34.2	32.4	186
1N2995B	47	55	14	400	1.0	5.0	35.8	33.8	175
1N2996B	50	50	15	500	1.0	5.0	38.0	36.0	165
1N2997B	51	50	15	500	1.0	5.0	38.8	36.7	163
1N2998B	52	50	15	500	1.0	5.0	39.5	37.4	160
1N2999B	56	45	16	500	1.0	5.0	42.6	40.3	150
1N3000B	62	40	17	600	1.0	5.0	47.1	44.6	130
1N3001B	68	37	18	600	1.0	5.0	51.7	49.0	120
1N3002B	75	33	22	600	1.0	5.0	56.0	54.0	110
1N3003B	82	30	25	700	1.0	5.0	62.2	59.0	100
1N3004B	91	28	35	800	1.0	5.0	69.2	65.5	85
1N3005B	100	25	40	900	1.0	5.0	76.0	72.0	80
1N3006B	105	25	45	1000	1.0	5.0	79.8	75.6	75
1N3007B	110	23	55	1100	1.0	5.0	83.6	79.2	72
1N3008B	120	20	75	1200	1.0	5.0	91.2	86.4	67
1N3009B	130	19	100	1300	1.0	5.0	98.8	93.6	62
1N3010B	140	18	125	1400	1.0	5.0	106.4	100.8	58
1N3011B	150	17	175	1500	1.0	5.0	114.0	108.0	54
1N3012B	160	16	200	1600	1.0	5.0	121.6	115.2	50
1N3014B	180	14	260	1850	1.0	5.0	136.8	129.6	45
1N3015B	200	12	300	2000	1.0	5.0	152.0	144.0	40

V_Z @ T_C = 30°C

V_F = 1.5 V max @ I_F = 2 amp on all types.

† Non Suffix V_Z = ±20%

A Suffix V_Z = ±10%

B Suffix V_Z = ±5%

Standard Polarity – Anode to Case

*Reverse Polarity Available

*Available in JAN and JANTX per MIL-S-19500/124

Derating Factor above 55°C: 66.6 mW/°C

*V_{R1} – Test Voltage for 5% Tolerance Device.

**V_{R2} – Test Voltage for 10% Tolerance Device.

No Leakage Specified for 20% Tolerance Device

