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1N3305 thru 1N3350B and 1N4549B thru 1N4556B

FEATURES

- ZENER VOLTAGE 3.9 TO 200V
- LOW ZENER IMPEDANCE
- HIGHLY RELIABLE AND RUGGED
- FOR MILITARY AND OTHER DEMANDING APPLICATIONS (See Below)

MAXIMUM RATINGS

Junction and Storage Temperatures: -65°C to $+175^{\circ}\text{C}$
DC Power Dissipation: 50 Watts
Power Derating: 0.5 W/ $^{\circ}$ above 75°C
Forward Voltage @ 10 A: 1.5 Volts

*ELECTRICAL CHARACTERISTICS @ 30°C Case Temperature

JEDEC TYPE NO. (Note 1)	NOMINAL ZENER VOLTAGE V _Z @ I _Z (Note 2)	ZENER TEST CURRENT I _{ZT} mA	MAX. DYNAMIC IMPEDANCE (Note 3)		MAX. DC ZENER CURRENT I _Z (mA)	MAX. REVERSE LEAKAGE CURRENT I _R (max) @ V _R μA	TYPICAL TEMP. COEFF. α_{VZ} %/°C
			Z ₀ @ I _Z OHMS	Z _{0K} @ I _{ZK} = 5mA OHMS			
1N4549B	3.9	3,200	0.18	400	11,900	150	0.5
1N4550B	4.3	2,800	0.18	500	10,650	150	0.5
1N4551B	4.7	2,650	0.12	600	9,700	100	1.0
1N4552B	5.1	2,450	0.12	650	8,900	20	1.0
1N4553B	5.6	2,250	0.12	900	8,100	20	1.0
1N4554B	6.2	2,000	0.14	1,000	7,300	20	2.0
1N4555B	6.8	1,850	0.18	200	6,650	10	2.0
1N4556B	7.5	1,650	0.24	100	6,050	10	3.0
1N3305B	6.8	1,850	0.20	70	6,600	300	4.5
1N3306B	7.5	1,700	0.30	70	5,900	125	5.0
1N3307B	8.2	1,500	0.40	70	5,200	50	5.4
1N3308B	9.1	1,370	0.50	70	4,800	25	6.1
1N3309B	10.0	1,200	0.60	80	4,300	25	6.7
1N3310B	11.0	1,100	0.80	80	3,900	10	8.4
1N3311B	12.0	1,000	1.00	80	3,800	10	9.1
1N3312B	13.0	960	1.10	80	3,300	10	9.9
1N3313B	14.0	890	1.20	80	3,000	10	11.4
1N3314B	15.0	830	1.40	80	2,800	10	11.4
1N3315B	16.0	780	1.60	80	2,650	10	12.2
1N3316B	17.0	740	1.80	80	2,500	10	13.0
1N3317B	18.0	700	2.00	80	2,300	10	13.7
1N3318B	19.0	660	2.20	80	2,200	10	13.7
1N3319B	20.0	630	2.40	80	2,100	10	15.2
1N3320B	22.0	570	2.50	80	1,900	10	16.7
1N3321B	24.0	520	2.60	80	1,750	10	18.2
1N3322B	25.0	500	2.70	90	1,550	10	18.2
1N3323B	27.0	460	2.80	90	1,500	10	20.6
1N3324B	30.0	420	3.00	90	1,400	10	22.8
1N3325B	33.0	380	3.20	90	1,300	10	26.1
1N3326B	36.0	350	3.50	90	1,150	10	27.4
1N3327B	39.0	320	4.00	90	1,050	10	29.7
1N3328B	43.0	290	4.50	90	975	10	32.7
1N3329B	46.0	280	4.50	100	930	10	32.7
1N3330B	47.0	270	5.00	100	880	10	36.8
1N3331B	50.0	250	5.00	100	830	10	36.8
1N3332B	51.0	245	5.20	100	810	10	36.8
1N3333B	52.0	240	5.50	100	790	10	42.6
1N3334B	56.0	220	6.00	110	740	10	42.6
1N3335B	62.0	200	7.00	120	660	10	47.1
1N3336B	68.0	180	8.00	140	600	10	51.7
1N3337B	75.0	170	9.00	150	540	10	56.0
1N3338B	82.0	150	11.00	160	490	10	62.2
1N3339B	91.0	140	15.00	180	420	10	68.2
1N3340B	100.0	120	20.00	200	400	10	76.0
1N3341B	105.0	120	25.00	210	380	10	83.0
1N3342B	110.0	110	30.00	220	365	10	83.0
1N3343B	120.0	100	40.00	240	336	10	91.2
1N3344B	130.0	95	50.00	275	310	10	99.8
1N3345B	140.0	90	60.00	325	290	10	114.0
1N3346B	150.0	85	75.00	400	270	10	114.0
1N3347B	160.0	80	80.00	450	250	10	121.6
1N3348B	175.0	70	85.00	500	230	10	121.6
1N3349B	180.0	68	90.00	525	220	10	136.8
1N3350B	200.0	65	100.00	600	200	10	152.0

SILICON
50 WATT
ZENER DIODES

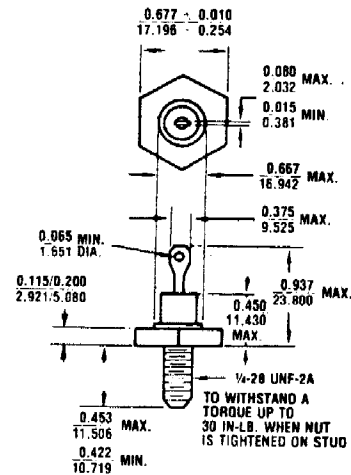


FIGURE 1

All dimensions in INCH
m.m.

MECHANICAL CHARACTERISTICS

CASE: Industry Standard DO-5,
11/16" Hex. stud with 1/4-28
threads, welded, hermetically
sealed metal and glass.

DIMENSIONS: See outline draw-
ing Fig. 1.

FINISH: All external surfaces are
corrosion resistant and terminal
solderable.

THERMAL RESISTANCE: 1.5°C/W
(Typical) junction to stud.

POLARITY: Standard polarity
anode to case. Reverse polarity
(cathode to case) indicated by
suffix R.