



BZX84B2V4W SERIES

Surface Mount Silicon Zener Diodes

Voltage 2.4 to 75 volts Power 200 mWatts

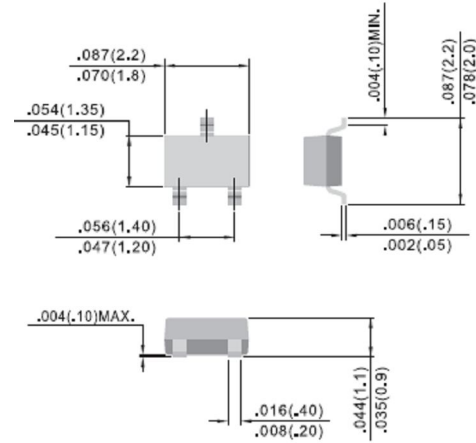
Features

- Planar Die construction
- 200mW Power Dissipation
- Ideally Suited for Automated Assembly Processes
- In compliance with EU RoHS 2002/95/EC directives

Mechanical Data

- Case: SOT-323, molded plastic
- Terminals: Solderable per MIL-STD-750, Method 2026
- Mounting position: Any
- Approx. Weight: 0.0048 gram

SOD-323

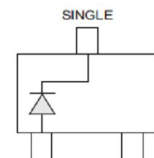


Unit: inch(mm)

MAXIMUM RATINGS

Parameter	Symbol	Value	Units
Power Dissipation at 25 °C	P _D	200	mW
Operating Junction and Storage Temperature Range	T _J	-55 to +150	°C

Notes: A. Mounted on 5.0mm²(.013mm thick)land areas



Part Number	Nominal Zener Voltage			Max. Zener Impedance				Max Reverse Leakage Current		Marking Code
	V @ I			Z @ I		Z @ I		I @ V		
	Nom. V	Min. V	Max. V	Ω	mA	Ω	mA	μ A	V	
c 200 mWatts Zener Diodes										
BZX84B2V4W	2.4	2.35	2.45	100	5.0	600	1.00	50	1.0	W1
BZX84B2V7W	2.7	2.64	2.75	100	5.0	600	1.00	20	1.0	W2
BZX84B3W	3.0	2.94	3.06	95	5.0	600	1.00	10	1.0	W3
BZX84B3V3W	3.3	3.23	3.37	95	5.0	600	1.00	5.0	1.0	W4
BZX84B3V6W	3.6	3.52	3.67	90	5.0	600	1.00	5.0	1.0	W5
BZX84B3V9W	3.9	3.82	3.98	90	5.0	600	1.00	3.0	1.0	W6
BZX84B4V3W	4.3	4.21	4.39	90	5.0	600	1.00	3.0	1.0	W7
BZX84B4V7W	4.7	4.61	4.79	80	5.0	500	1.00	3.0	2.0	W8
BZX84B5V1W	5.1	5.00	5.20	60	5.0	480	1.00	2.0	2.0	W9
BZX84B5V6W	5.6	5.49	5.71	40	5.0	400	1.00	1.0	2.0	WA
BZX84B6V2W	6.2	6.08	6.32	10	5.0	150	1.00	3.0	4.0	WB
BZX84B6V8W	6.8	6.66	6.94	15	5.0	80	1.00	2.0	4.0	WC
BZX84B7V5W	7.5	7.35	7.65	15	5.0	80	1.00	1.0	5.0	WD
BZX84B8V2W	8.2	8.04	8.36	15	5.0	80	1.00	0.7	5.0	WE
BZX84B8V7W	8.7	8.53	8.87	15	5.0	100	1.00	0.7	5.0	87C
BZX84B9V1W	9.1	8.92	9.28	15	5.0	100	1.00	0.5	6.0	WF
BZX84B10W	10	9.80	10.20	20	5.0	150	1.00	0.2	7.0	WG
BZX84B11W	11	10.78	11.22	20	5.0	150	1.00	0.1	8.0	WH
BZX84B12W	12	11.76	12.24	25	5.0	150	1.00	0.1	8.0	WI
BZX84B13W	13	12.74	13.26	30	5.0	170	1.00	0.1	8.0	WK
BZX84B14W	14	13.72	14.28	30	5.0	170	1.00	0.1	10.0	WJ
BZX84B15W	15	14.70	15.30	30	5.0	200	1.00	0.1	10.5	WL
BZX84B16W	16	15.68	16.32	40	5.0	200	1.00	0.1	11.2	WM
BZX84B17W	17	16.66	17.34	40	5.0	200	1.00	0.1	12.2	17C
BZX84B18W	18	17.64	18.36	45	5.0	225	1.00	0.1	12.6	WN
BZX84B20W	20	19.60	20.40	55	5.0	225	1.00	0.1	14.0	WO
BZX84B22W	22	21.56	22.44	55	5.0	250	1.00	0.1	15.4	WP
BZX84B24W	24	23.52	24.48	70	5.0	250	1.00	0.1	16.8	WR
BZX84B27W	27	26.46	27.54	80	5.0	300	1.00	0.1	18.9	WS
BZX84B28W	28	27.44	28.56	80	5.0	300	1.00	0.1	20.5	28C
BZX84B30W	30	29.40	30.60	80	5.0	300	1.00	0.1	21.0	WT
BZX84B33W	33	32.34	33.66	80	5.0	325	1.00	0.1	23.1	WU
BZX84B36W	36	35.28	36.72	90	5.0	350	1.00	0.1	25.2	WW
BZX84B39W	39	38.22	39.78	130	5.0	350	1.00	0.1	27.3	WX
BZX84B43W	43	42.14	43.86	150	5.0	375	1.00	0.1	30.1	WY
BZX84B47W	47	46.06	47.94	170	5.0	375	1.00	0.1	32.9	WZ
BZX84B51W	51	49.98	52.02	100	5.0	400	1.00	0.1	38.0	XA
BZX84B56W	56	54.88	57.12	135	2.5	1000	1.00	0.1	42.0	X2
BZX84B62W	62	60.76	63.24	150	2.5	1000	1.00	0.1	46.0	X3
BZX84B68W	68	66.64	69.36	200	2.5	1000	1.00	0.1	51.0	X4
BZX84B75W	75	73.50	76.50	250	2.5	1000	1.00	0.1	56.0	X5

RATING AND CHARACTERISTIC CURVES

Fig1. Steady State Power Derating

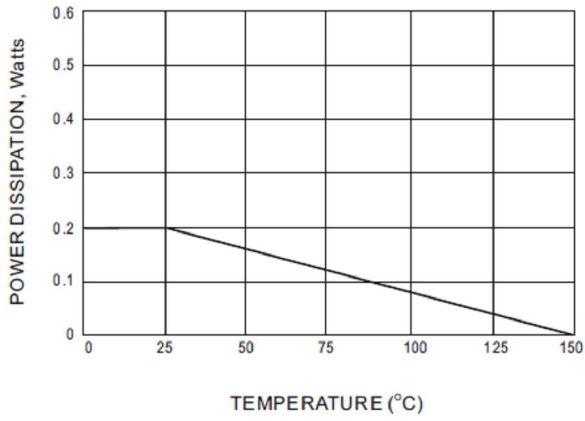


Fig2. Temperature Coefficients

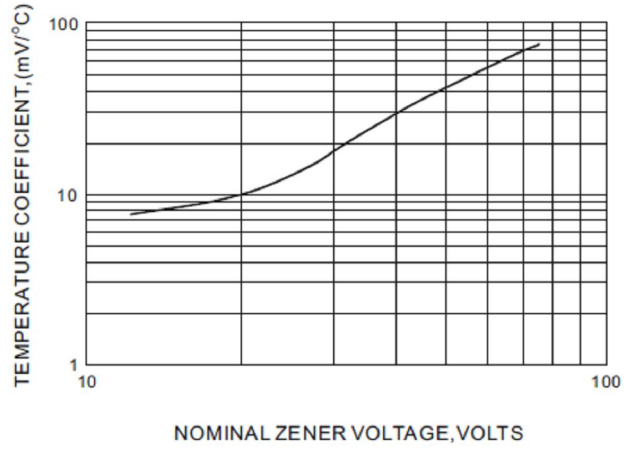


Fig3. Typical Leakage Current

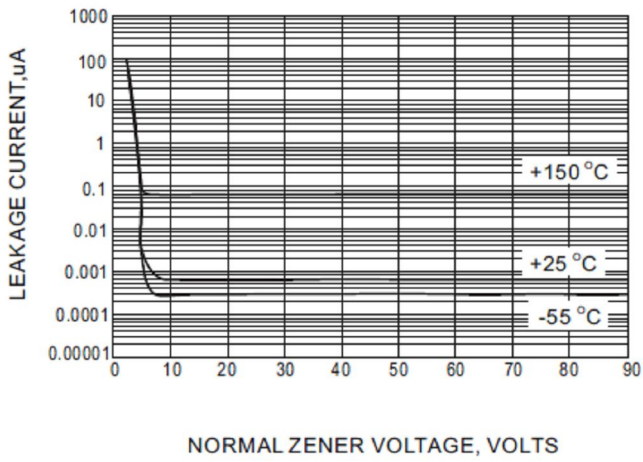


Fig4. Typical Forward Voltage

