

B:2% tolerance

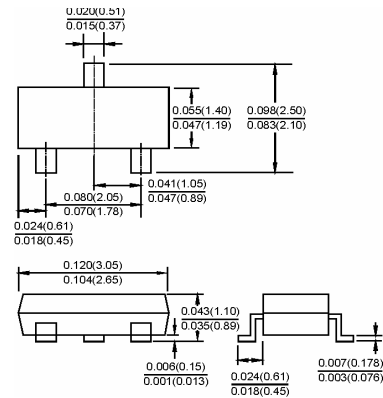
SOT-23


Features

- ✧ Planar Die Construction.
- ✧ 350mw Power Dissipation.
- ✧ Zener Voltages From 2.4V -51V
- ✧ Ideally Suited For Automated Assembly Prcesses.

Applications

- ✧ 350Mw Surface mount zener diode



Dimensions in inches and (millimeters)

MAXIMUM RATING @ Ta=25°C unless otherwise specified

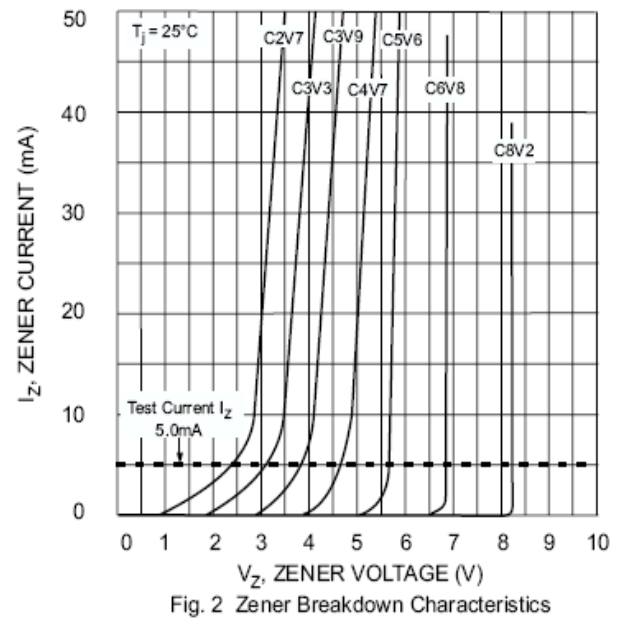
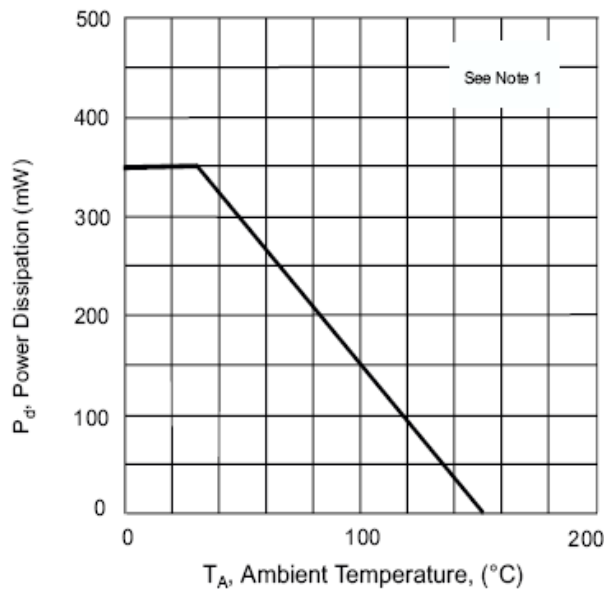
Characteristic	Symbol	Value	Unit
Power Dissipation	P _d	350	mW
Thermal Resistance, Junction to Ambient Air	R _{θJA}	357	°C/W
Operating and Storage Temperature Range	T _j , T _{stg}	-65 to+150	°C

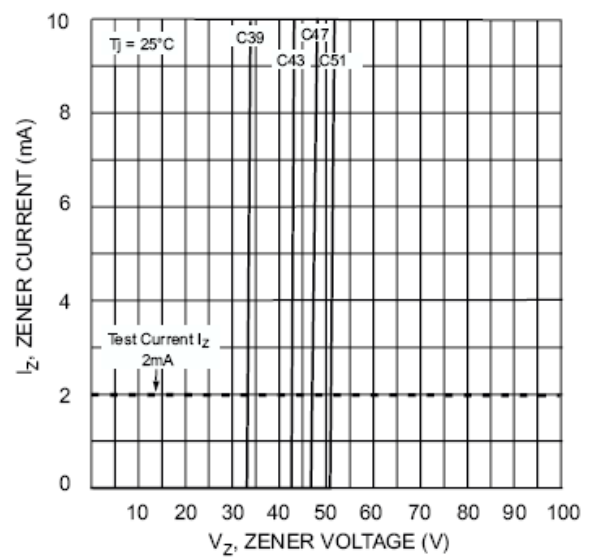
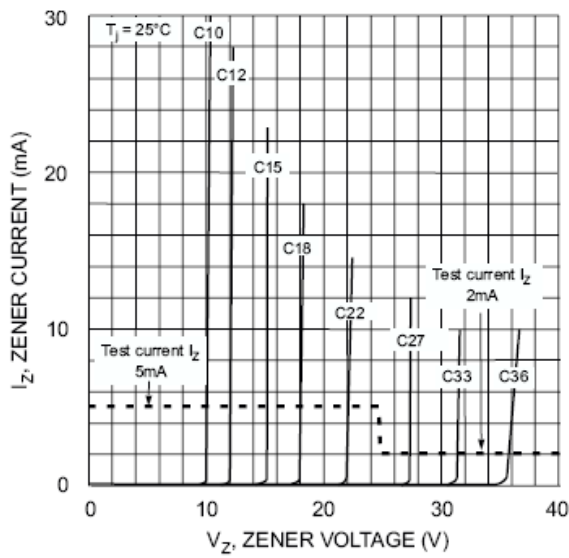
ELECTRICAL CHARACTERISTICS @ Ta=25°C unless otherwise specified

Type Number	Zener Voltage Range				Maximum Zener Impedance			Maximum Reverse Current	
	V _Z @I _{ZT}			I _{ZT}	Z _{ZT} @I _{ZT}	Z _{ZK} @I _{ZK}		I _R	V _R
	Nom(V)	Min(V)	Max(V)	(mA)	(Ω)	(Ω)	(mA)	(μA)	(V)
BZX84B2V4	2.4	2.35	2.45	5	100	275	1	50	1
BZX84B2V7	2.7	2.65	2.75	5	100	600	1	20	1
BZX84B3V0	3.0	2.94	3.06	5	95	600	1	10	1
BZX84B3V3	3.3	3.23	3.37	5	95	600	1	5	1
BZX84B3V6	3.6	3.53	3.67	5	90	600	1	5	1
BZX84B3V9	3.9	3.82	3.98	5	90	600	1	3	1
BZX84B4V3	4.3	4.21	4.39	5	90	600	1	3	1
BZX84B4V7	4.7	4.61	4.79	5	80	500	1	3	2
BZX84B5V1	5.1	5	5.2	5	60	480	1	2	2
BZX84B5V6	5.6	5.49	5.71	5	40	400	1	1	2
BZX84B6V2	6.2	6.08	6.32	5	10	150	1	3	4
BZX84B6V8	6.8	6.66	6.94	5	15	80	1	2	4
BZX84B7V5	7.5	7.35	7.65	5	15	80	1	1	5
BZX84B8V2	8.2	8.04	8.36	5	15	80	1	0.7	5
BZX84B9V1	9.1	8.92	9.28	5	15	100	1	0.5	6
BZX84B10	10	9.8	10.2	5	20	150	1	0.2	7
BZX84B11	11	10.8	11.2	5	20	150	1	0.1	8
BZX84B12	12	11.8	12.2	5	25	150	1	0.1	8
BZX84B13	13	12.7	13.3	5	30	170	1	0.1	8
BZX84B15	15	14.7	15.3	5	30	200	1	0.05	10.5
BZX84B16	16	15.7	16.3	5	40	200	1	0.05	11.2
BZX84B18	18	17.6	18.4	5	45	225	1	0.05	12.6
BZX84B20	20	19.6	20.4	5	55	225	1	0.05	14

Type Number	Zener Voltage Range				Maximum Zener Impedance			Maximum Reverse Current	
	$V_Z @ I_{ZT}$			I_{ZT}	$Z_{ZT} @ I_{ZT}$	$Z_{ZK} @ I_{ZK}$		I_R	V_R
	Nom(V)	Min(V)	Max(V)	(mA)	(Ω)	(Ω)	(mA)	(μ A)	(V)
BZX84B22	22	21.6	22.4	5	55	250	1	0.05	15.4
BZX84B24	24	23.5	24.5	5	70	250	1	0.05	16.8
BZX84B27	27	26.5	27.5	2	80	300	0.5	0.05	18.9
BZX84B30	30	29.4	30.6	2	80	300	0.5	0.05	21
BZX84B33	33	32.3	33.7	2	80	325	0.5	0.05	23.1
BZX84B36	36	35.3	36.7	2	90	350	0.5	0.05	25.2
BZX84B39	39	38.2	39.8	2	130	350	0.5	0.05	27.3
BZX84B43	43	42.1	43.9	2	150	375	0.5	0.05	30.1
BZX84B47	47	46.1	47.9	2	170	375	0.5	0.05	32.9
BZX84B51	51	50	52	2	180	400	0.5	0.05	35.7

TYPICAL CHARACTERISTICS @ $T_a=25^\circ\text{C}$ unless otherwise specified





PACKAGE	SPQ/PCS	CARTON SPQ/PCS	CARTON SIZE/CM	CARTON GW/KG	CARTON NW/KG
SOT-23	3000/REEL	90000	40X20X22	5.00	4.00