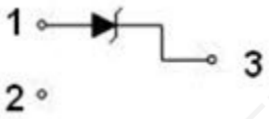
FEATURES

- Non-wire bonding structure improves
- High demand voltage range (3.6V-36V)
- This is a Pb-Free device
- We declare that the material of product compliance with RoHS requirements.

SOT-23

CONSTRUCTION

- Silicon epitaxial planar



ABSOLUTE MAXIMUM TATINGS (Ta=25°C)

Parameter	Symbol	Limits	Unit
Power dissipation	P	225	mW
Junction temperature	Tj	+150	°C
Storage temperature	Tstg	–55 to +150	°C
Operating temperature	Topr	–55 to +150	°C

DEVICE MARKING CODE

Device	Marking	Device	Marking	Device	Marking
BZX84-B2V0,215	02	BZX84-B5V6,215	C2	BZX84-B16,215	55
BZX84-B2V2,215	12	BZX84-B6V2,215	E2	BZX84-B18,215	65
BZX84-B2V4,215	22	BZX84-B6V8,215	F2	BZX84-B20,215	75
BZX84-B2V7,215	32	BZX84-B7V5,215	H2	BZX84-B22,215	85
BZX84-B3V0,215	42	BZX84-B8V2,215	J2	BZX84-B24,215	95
BZX84-B3V3,215	52	BZX84-B9V1,215	L2	BZX84-B27,215	A5
BZX84-B3V6,215	62	BZX84-B10,215	05	BZX84-B30,215	C5
BZX84-B3V9,215	72	BZX84-B11,215	15	BZX84-B33,215	E5
BZX84-B4V3,215	82	BZX84-B12,215	25	BZX84-B36,215	F5
BZX84-B4V7,215	92	BZX84-B13,215	35	–	–
BZX84-B5V1,215	A2	BZX84-B15,215	45	–	–

ELECTRICAL CHARACTERISTICS(Ta=25°C)

Device	Zener voltage			Operating resistance		Rising operating resistance		Reverse current	
	V_Z(V)			Z_Z(Ω)		Z_{zk}(Ω)		I_R(μA)	
	Min.	Max.	I_Z (mA)	Max.	I_Z (mA)	Max.	I_Z (mA)	Max.	V_R(V)
BZX84-B2V0,215	2.020	2.200	5	100	5	1000	0.5	120	0.5
BZX84-B2V2,215	2.220	2.410	5	100	5	1000	0.5	120	0.7
BZX84-B2V4,215	2.430	2.630	5	100	5	1000	0.5	100	1.0
BZX84-B2V7,215	2.690	2.910	5	110	5	1000	0.5	100	1.0
BZX84-B3V0,215	3.010	3.220	5	120	5	1000	0.5	50	1.0
BZX84-B3V3,215	3.320	3.530	5	120	5	1000	0.5	20	1.0
BZX84-B3V6,215	3.600	3.845	5	100	5	1000	1.0	10	1.0
BZX84-B3V9,215	3.890	4.160	5	100	5	1000	1.0	5	1.0
BZX84-B4V3,215	4.170	4.430	5	100	5	1000	1.0	5	1.0
BZX84-B4V7,215	4.550	4.750	5	100	5	800	0.5	2	1.0
BZX84-B5V1,215	4.980	5.200	5	80	5	500	0.5	2	1.5
BZX84-B5V6,215	5.490	5.730	5	60	5	200	0.5	1	2.5
BZX84-B6V2,215	6.060	6.330	5	60	5	100	0.5	1	3.0
BZX84-B6V8,215	6.650	6.930	5	40	5	60	0.5	0.5	3.5
BZX84-B7V5,215	7.280	7.600	5	30	5	60	0.5	0.5	4.0
BZX84-B8V2,215	8.020	8.360	5	30	5	60	0.5	0.5	5.0
BZX84-B9V1,215	8.850	9.230	5	30	5	60	0.5	0.5	6.0
BZX84-B10,215	9.770	10.210	5	30	5	60	0.5	0.1	7.0
BZX84-B11,215	10.760	11.220	5	30	5	60	0.5	0.1	8.0
BZX84-B12,215	11.740	12.240	5	30	5	80	0.5	0.1	9.0
BZX84-B13,215	12.910	13.490	5	37	5	80	0.5	0.1	10.0
BZX84-B15,215	14.340	14.980	5	42	5	80	0.5	0.1	11.0
BZX84-B16,215	15.850	16.510	5	50	5	80	0.5	0.1	12.0
BZX84-B18,215	17.560	18.350	5	65	5	80	0.5	0.1	13.0
BZX84-B20,215	19.520	20.390	5	85	5	100	0.5	0.1	15.0
BZX84-B22,215	21.540	22.470	5	100	5	100	0.5	0.1	17.0
BZX84-B24,215	23.720	24.780	5	120	5	120	0.5	0.1	19.0
BZX84-B27,215	26.190	27.530	5	150	5	150	0.5	0.1	21.0
BZX84-B30,215	29.190	30.690	5	200	5	200	0.5	0.1	23.0
BZX84-B33,215	32.150	33.790	5	250	5	250	0.5	0.1	25.0
BZX84-B36,215	35.070	36.870	5	300	5	300	0.5	0.1	27.0

Notes) 1. The Zener voltage (V_Z) is measured 40ms after power is supplied.
2. The operating resistances (Z_Z, Z_{ZK}) are measured by superimposing a minute alternating current on the regulated current (I_Z).

ELECTRICAL CHARACTERISTIC CURVES(Ta=25°C)

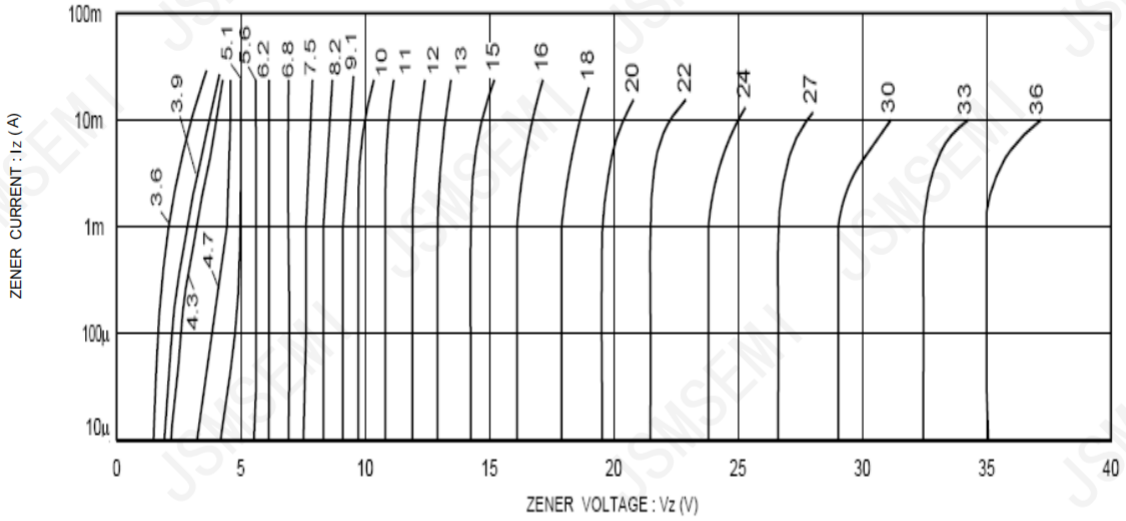


Fig.1 Zener voltage characteristics

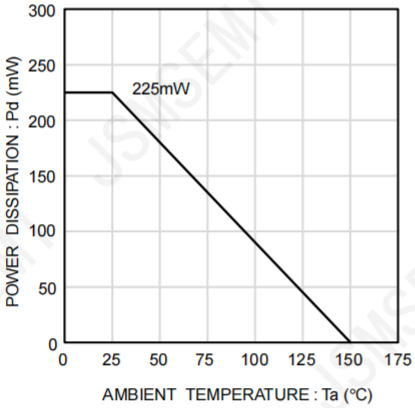


Fig.2 Derating curve

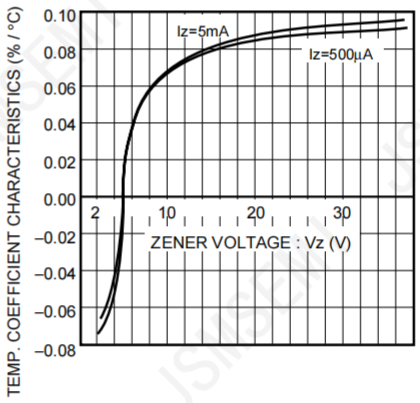
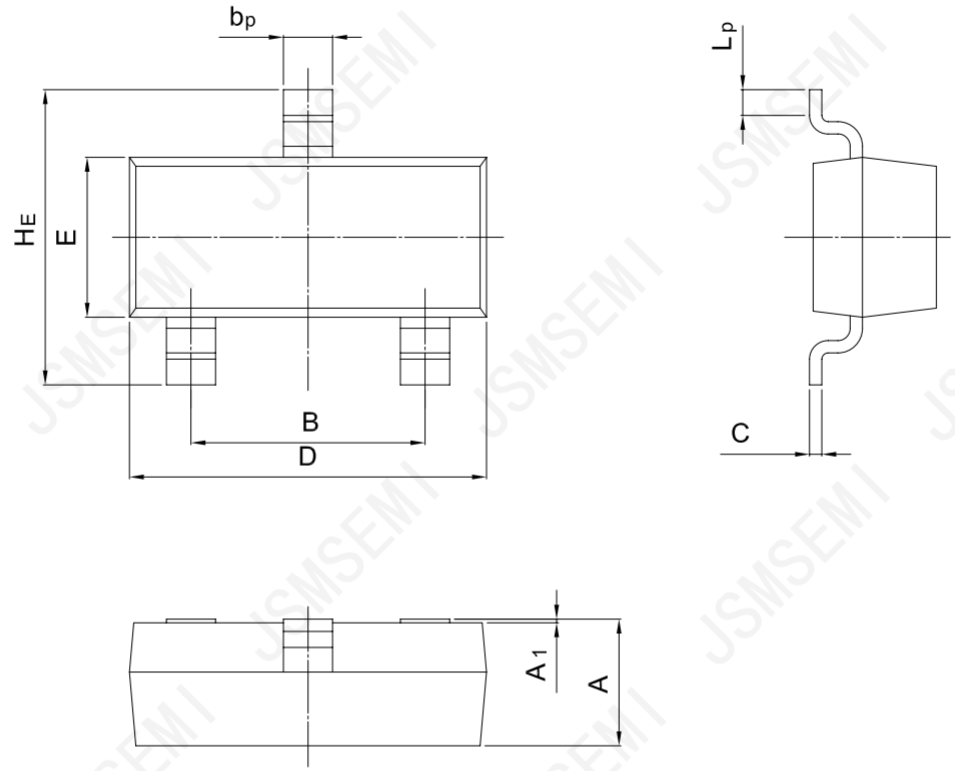


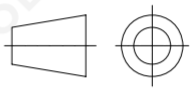
Fig.3 Zener voltage-temp. coefficient characteristics

PACKAGEOUTLINE
Plastic surface mounted package;3leads

SOT-23



UNIT	A	B	bp	C	D	E	HE	A1	Lp
mm	1.40 0.95	2.04 1.78	0.50 0.35	0.19 0.08	3.10 2.70	1.65 1.20	3.00 2.20	0.100 0.013	0.50 0.20



Revision History

Rev.	Change	Date
V1.0	Initial version	2/23/2024

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