

FEATURES

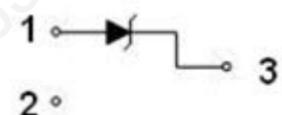
- Non-wire bonding structure improves
- High demand voltage range
- This is a Pb-Free device
- We declare that the material of product compliance with RoHS requirements.



SOT-23

CONSTRUCTION

- Silicon epitaxial planar



ABSOLUTE MAXIMUM RATINGS (Ta=25°C)

Parameter	Symbol	Limits	Unit
Power dissipation	P	225	mW
Junction temperature	T _j	+150	°C
Storage temperature	T _{stg}	-55 to +150	°C
Operating temperature	T _{opr}	-55 to +150	°C

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-A5V1,215-JSM	4.980	5.200	5	80	5	500	0.5	2	1.5

ELECTRICAL CHARACTERISTIC CURVES(Ta=25°C)

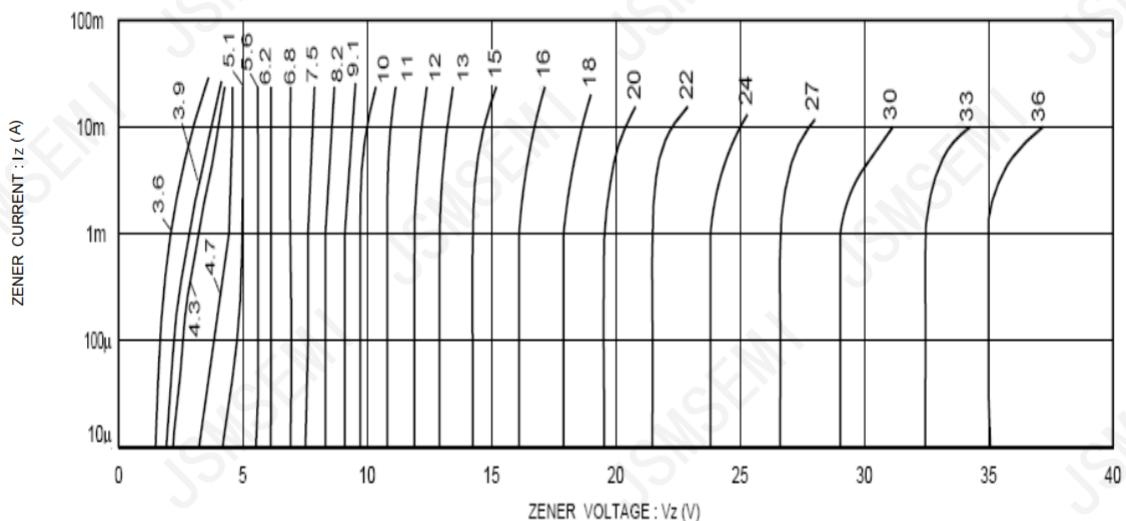


Fig.1 Zener voltage characteristics

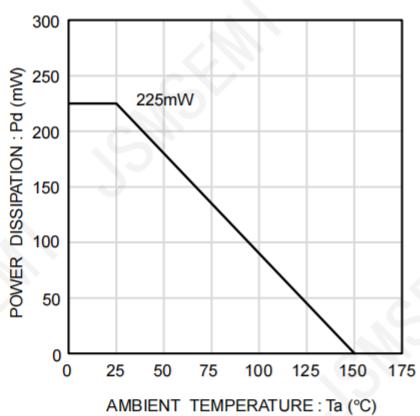


Fig.2 Derating curve

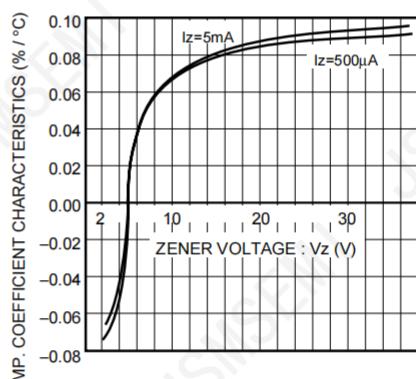
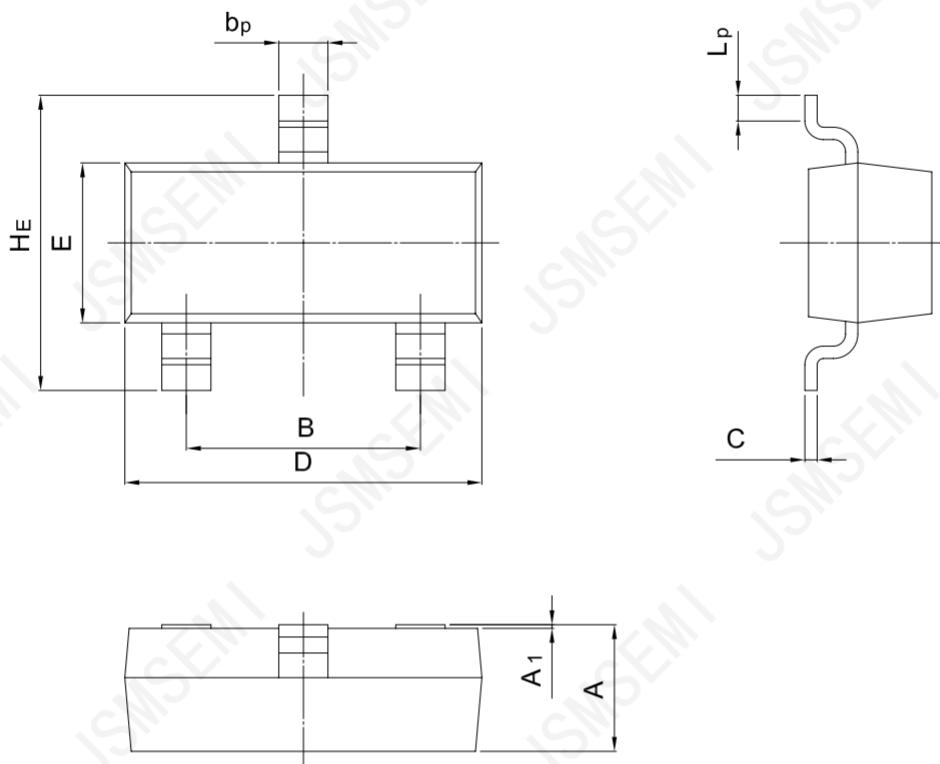


Fig.3 Zener voltage-temp.
coefficient characteristics

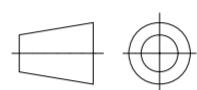
PACKAGE OUTLINE

Plastic surface mounted package;3leads

SOT-23



UNIT	A	B	b_p	C	D	E	H_E	A_1	L_p
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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