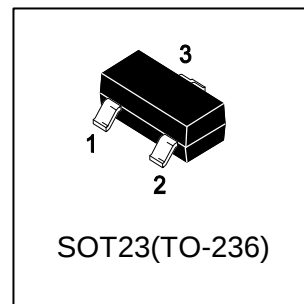


LBZX84B15LT1G

Zener Voltage Regulators

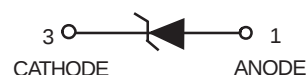
1. FEATURES

- Non-wire bonding structure improves
- Silicon epitaxial planar
- We declare that the material of product compliance with RoHS requirements and Halogen Free.



2. DEVICE MARKING AND ORDERING INFORMATION

Device	Marking	Shipping
LBZX84B15LT1G	45	3000/Tape&Reel



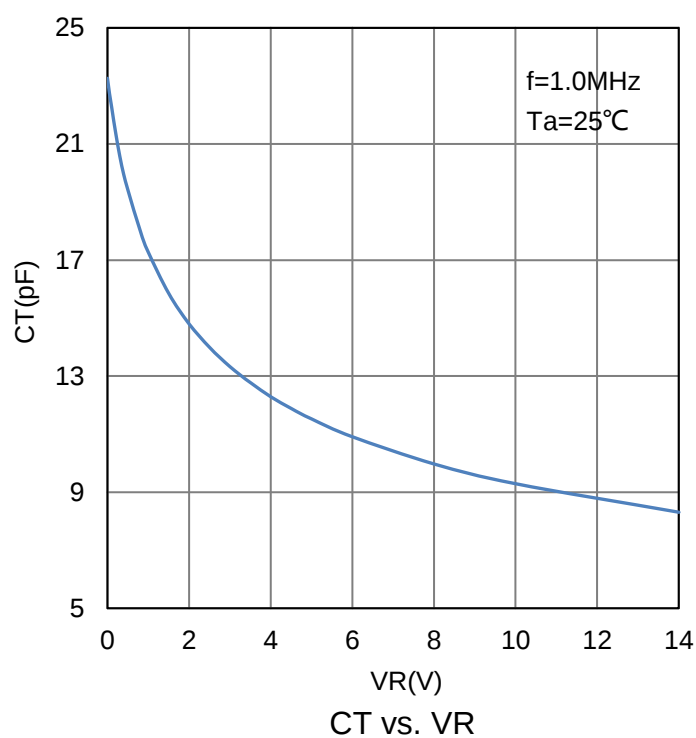
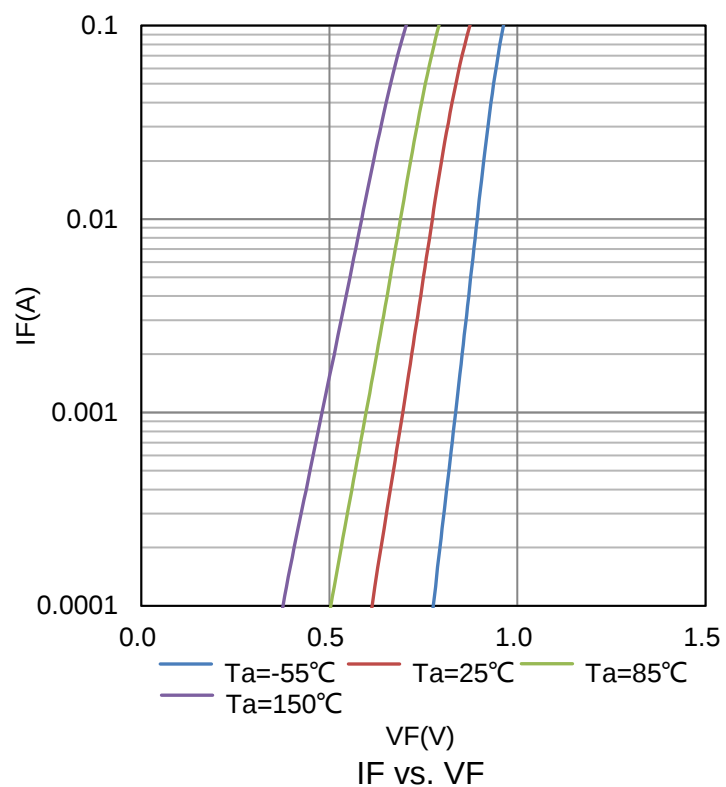
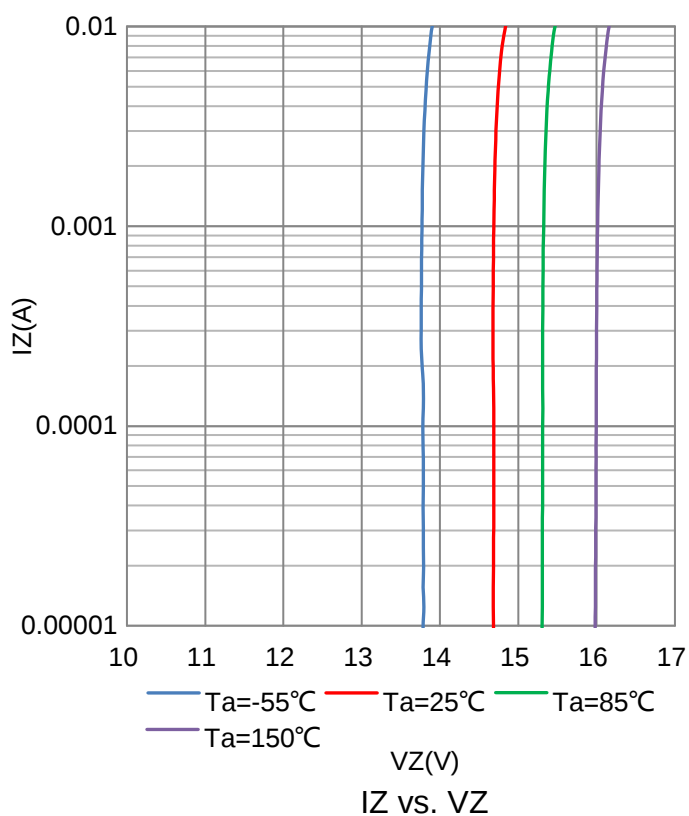
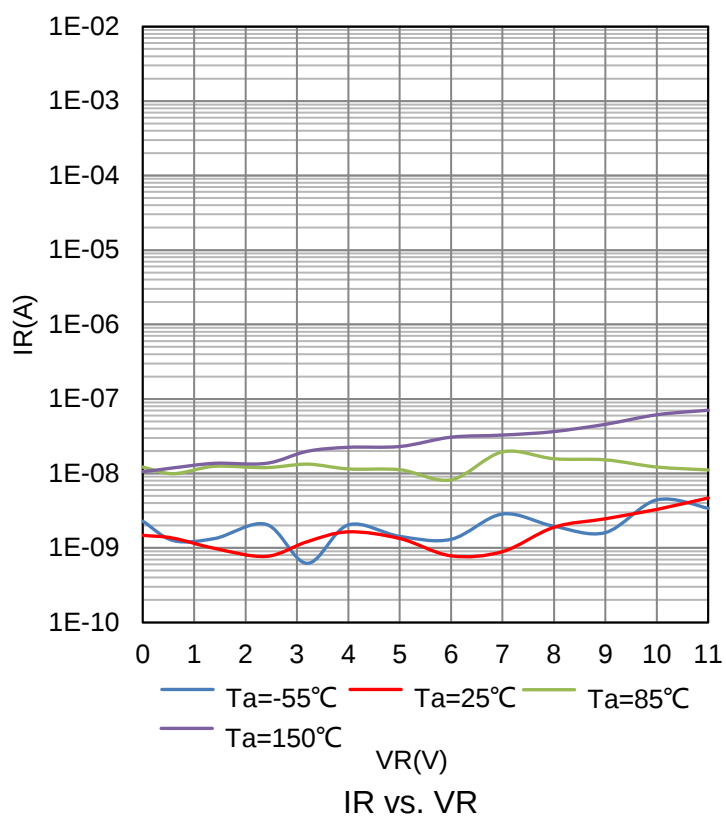
3. THERMAL CHARACTERISTICS

Parameter	Symbol	Limits	Unit
Power dissipation	PD	225	mW
Junction temperature	TJ	+150	°C
Storage temperature	Tstg	-55 ~ +150	°C
Operating temperature	Topr	-55 ~ +150	°C

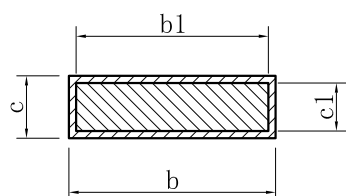
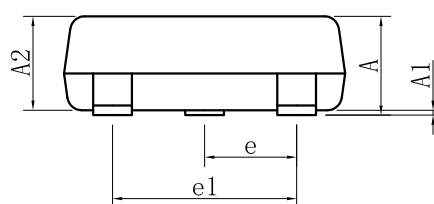
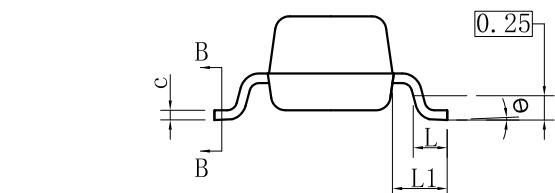
4. ELECTRICAL CHARACTERISTICS (Ta= 25°C)

Characteristic	Symbol	Min.	Typ.	Max.	Unit
Zener Voltage (IZT = 5 mA)	VZ	14.34	-	14.98	V
Operating Resistance (IZ = 5mA)	ZZ	-	-	42	Ω
Rising Operating Resistance (IZ = 0.5mA)	ZZK	-	-	80	Ω
Reverse current (VR=11V)	IR	-	-	0.1	μA
Forward Voltage (IF = 10mA)	VF	-	-	1.2	V

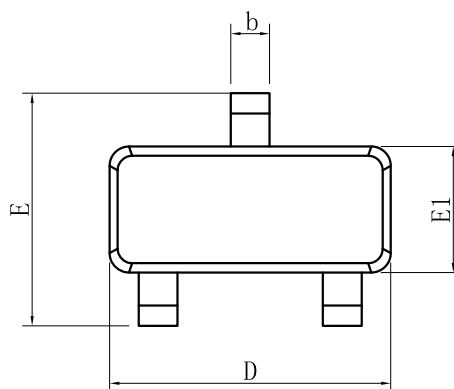
5. ELECTRICAL CHARACTERISTICS CURVES



6.OUTLINE AND DIMENSIONS



SECTION B-B

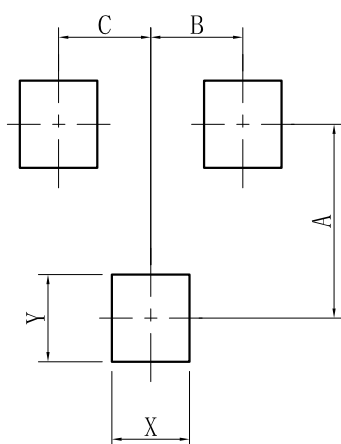


SOT23			
DIM	MIN	NOR	MAX
A	0.89	-	1.12
A1	0.01	-	0.10
A2	0.88	0.95	1.02
b	0.30	-	0.50
b1	0.30	0.40	0.45
c	0.08	-	0.20
c1	0.08	0.10	0.16
D	2.80	2.90	3.04
E	2.10	-	2.64
E1	1.20	1.30	1.40
e	0.95BSC		
e1	1.90BSC		
L	0.40	0.46	0.60
L1	0.54REF		
θ	0°	-	8°
All Dimensions in mm			

GENERAL NOTES

- 1.Top package surface finish $Ra0.4 \pm 0.2\mu m$
- 2.Bottom package surface finish $Ra0.7 \pm 0.2\mu m$
- 3.Side package surface finish $Ra0.4 \pm 0.2\mu m$

7.SOLDERING FOOTPRINT



SOT-23	
DIM	(mm)
X	0.80
Y	0.90
A	2.00
B	0.95
C	0.95

DISCLAIMER

- Curve guarantee in the specification. The curve of test items with electric parameter is used as quality guarantee. The curve of test items without electric parameter is used as reference only.
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