

$P_D$	250	mW
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● Feature

- High reliability
- Small mold type

● Application

- Voltage regulation

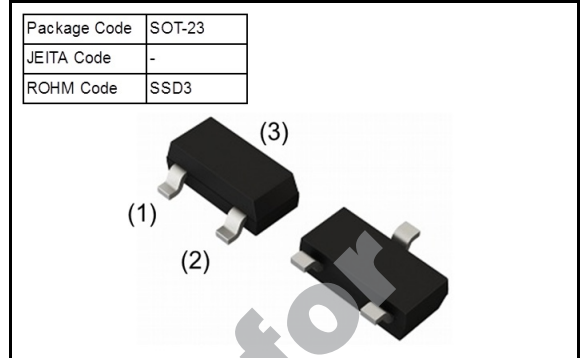
● Structure

- Silicon Epitaxial Planar

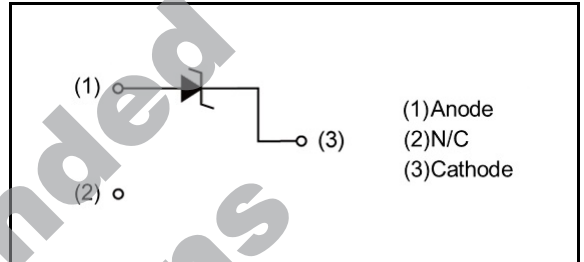
● Absolute Maximum Rating ( $T_a = 25^\circ\text{C}$ )

Parameter	Symbol	Condition	Limits	Unit
Power dissipation	$P_D$	on Glass-epoxy substrate	250	mW
			2.0	mW/°C
Junction temperature	$T_j$	-	150	°C
Storage temperature	$T_{stg}$	-	-65 ~ 150	°C

● Outline



● Inner Circuit



● Packaging Specification

Packing	Embossed Tape
Reel Size(mm)	180
Taping Width(mm)	8
Basic Ordering Unit(pcs)	3000
Taping Code	T116
Marking	D3Z

● Characteristic ( $T_a = 25^\circ\text{C}$ )

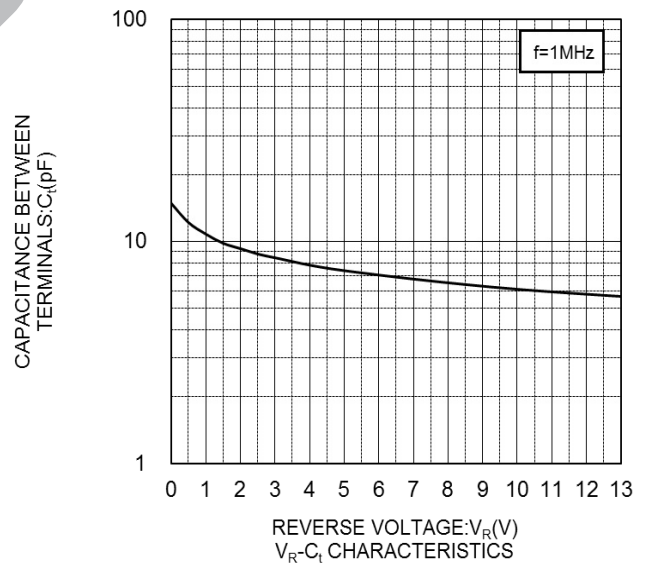
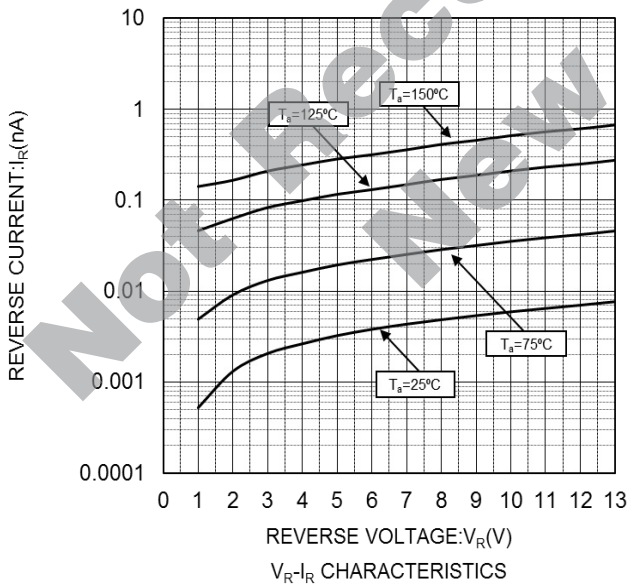
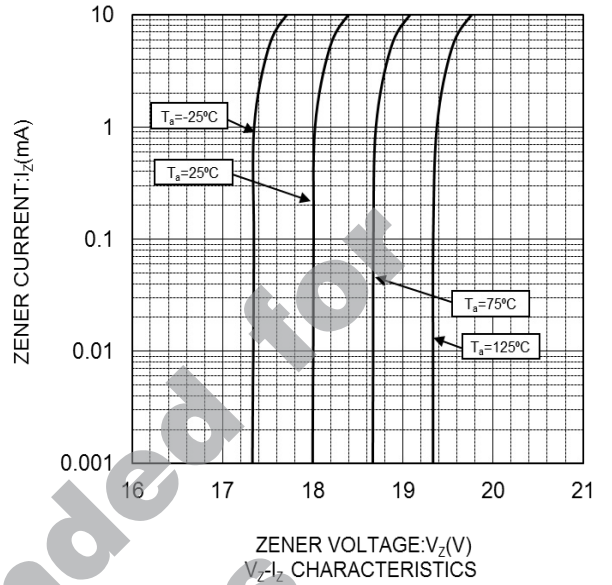
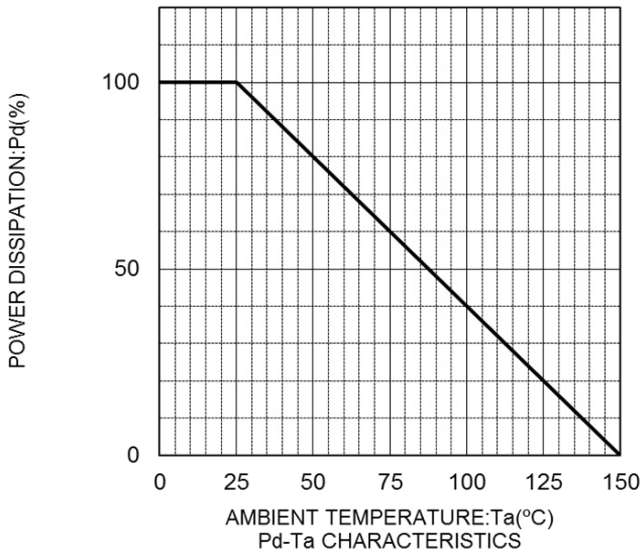
P/N	Symbol									
	Zener Voltage: $V_Z$ (V)			Reverse Current: $I_R$ ( $\mu\text{A}$ )		Dynamic Impedance: $Z_Z$ ( $\Omega$ )		Temperature Coefficient: $\gamma_Z$ (mV/ $^\circ\text{C}$ )		
	MIN.	MAX.	$I_Z$ (mA)	MAX.	$V_R$ (V)	MAX.	$I_Z$ (mA)	MIN.	MAX.	$I_Z$ (mA)
BZX84B5V1LFH	5.00	5.20	5	2	2.0	60	5	-1.5	2.6	5
BZX84B5V6LFH	5.49	5.71	5	1	2.0	40	5	-1.0	3.1	5
BZX84B6V2LFH	6.08	6.32	5	3	4.0	10	5	0.9	3.8	5
BZX84B6V8LFH	6.66	6.94	5	2	4.0	15	5	1.5	4.5	5
BZX84B7V5LFH	7.35	7.65	5	1	5.0	15	5	2.2	5.0	5
BZX84B8V2LFH	8.04	8.36	5	0.7	5.0	15	5	3.2	6.1	5
BZX84B9V1LFH	8.92	9.28	5	0.5	6.0	15	5	3.9	6.9	5
BZX84B10VLFH	9.80	10.20	5	0.2	7.0	20	5	5.0	8.0	5
BZX84B11VLFH	10.80	11.20	5	0.1	8.0	20	5	5.8	8.8	5
BZX84B12VLFH	11.80	12.20	5	0.1	8.0	25	5	6.8	9.8	5
BZX84B13VLFH	12.70	13.30	5	0.1	8.0	30	5	7.9	11.0	5
BZX84B15VLFH	14.70	15.30	5	0.1	10.0	30	5	9.4	12.6	5
BZX84B16VLFH	15.70	16.30	5	0.1	11.0	40	5	11.0	14.3	5
BZX84B18VLFH	17.60	18.40	5	0.1	13.0	45	5	12.6	15.8	5
BZX84B20VLFH	19.60	20.40	5	0.1	14.0	55	5	14.3	17.3	5
BZX84B22VLFH	21.60	22.40	5	0.1	15.0	55	5	15.8	19.3	5
BZX84B24VLFH	23.50	24.50	5	0.1	17.0	70	5	17.3	22.6	5
BZX84B27VLFH	26.50	27.50	2	0.1	19.0	80	2	19.3	25.8	2
BZX84B30VLFH	29.40	30.60	2	0.1	21.0	80	2	22.6	28.5	2
BZX84B33VLFH	32.30	33.70	2	0.1	23.0	80	2	25.8	31.1	2
BZX84B36VLFH	35.30	36.70	2	0.1	25.0	90	2	28.5	34.0	2

$V_Z$  test time is 40ms

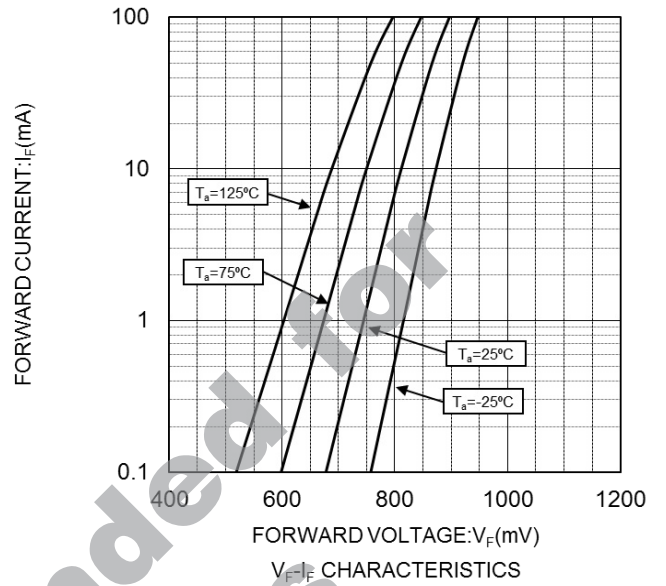
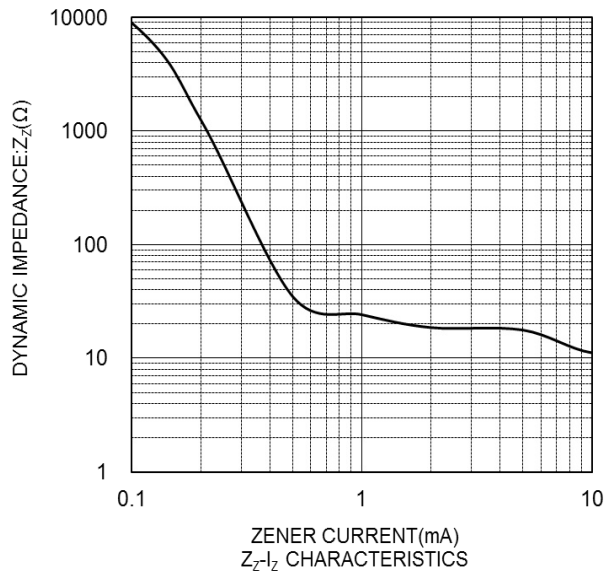
## ● Marking

P/N	Marking	P/N	Marking
BZX84B5V1LFH	D3L	BZX84B15VLFH	D3X
BZX84B5V6LFH	D3M	BZX84B16VLFH	D3Y
BZX84B6V2LFH	D3N	BZX84B18VLFH	D3Z
BZX84B6V8LFH	D3P	BZX84B20VLFH	D5A
BZX84B7V5LFH	D3Q	BZX84B22VLFH	D5B
BZX84B8V2LFH	D3R	BZX84B24VLFH	D5C
BZX84B9V1LFH	D3S	BZX84B27VLFH	D5D
BZX84B10VLFH	D3T	BZX84B30VLFH	D5E
BZX84B11VLFH	D3U	BZX84B33VLFH	D5F
BZX84B12VLFH	D3V	BZX84B36VLFH	D5G
BZX84B13VLFH	D3W		

● Characteristic Curves



● Characteristic Curves



Not Recommended for New Designs

● Dimension (SSD3 SOT-23)



DIM	Millimeters			Inches		
	Min.	Average	Max.	Min.	Average	Max.
A	0.85	0.95	1.15	0.033	0.037	0.045
A3	0.35	0.45	0.55	0.014	0.018	0.022
b	0.35	0.40	0.50	0.014	0.016	0.020
c	0.09	0.15	0.25	0.004	0.006	0.010
D	2.70	2.90	3.10	0.106	0.114	0.122
E	1.20	1.30	1.50	0.047	0.051	0.059
H <sub>E</sub>	2.20	2.40	2.60	0.087	0.094	0.102
L	0.20	-	-	0.008	-	-
e	1.70	1.90	2.10	0.067	0.075	0.083
l2	1.00	-	-	0.039	-	-
b2	0.80	-	-	0.031	-	-
e1	-	2.10	-	-	0.083	-
e2	-	1.90	-	-	0.075	-

● Taping (Unit:mm)

