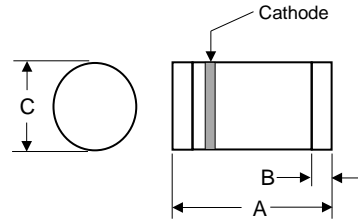


### Features

- \* Small surface mounting type
- \* 1 W of power can be obtained despite compact size
- \* High surge withstand level
- \* Voltage regulation and voltage limiting
- \* Voltage surge absorption



**RoHS**  
COMPLIANT



LL-41				
DIM	INCHES		MM	
	MIN	MAX	MIN	MAX
A	0.189	0.205	4.80	5.20
B	0.012	0.020	0.30	0.50
C	0.093	0.100	2.35	2.55

### Absolute Maximum Ratings (T<sub>A</sub>=25°C unless otherwise noted)

Parameter	Symbol	Value	Unit
Power Dissipation	P <sub>tot</sub>	1	W
Junction Temperature	T <sub>j</sub>	150	°C
Storage Temperature Range	T <sub>stg</sub>	- 55 to + 150	°C

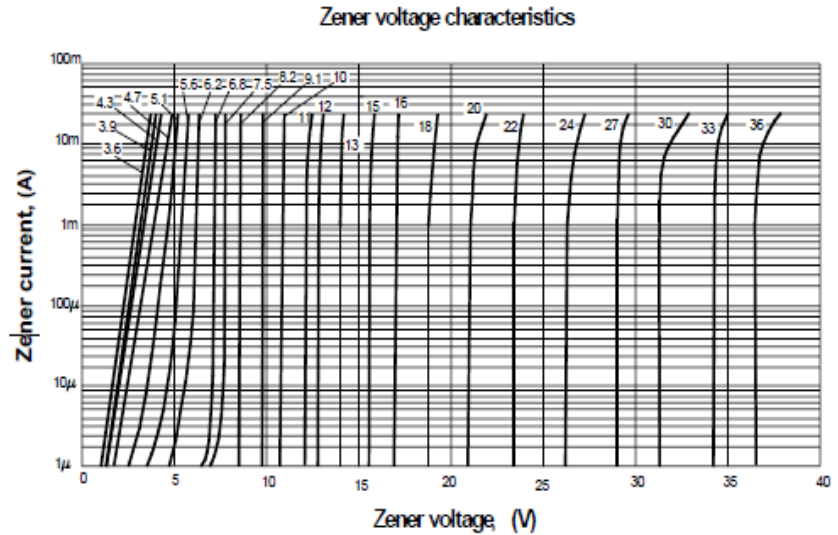
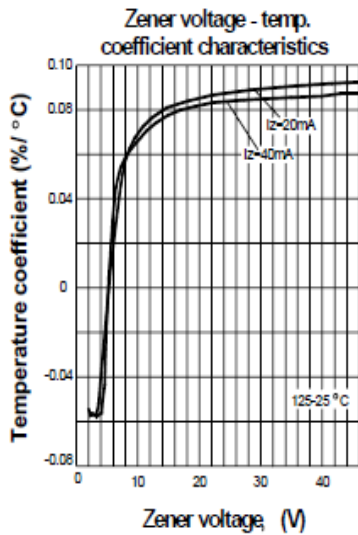
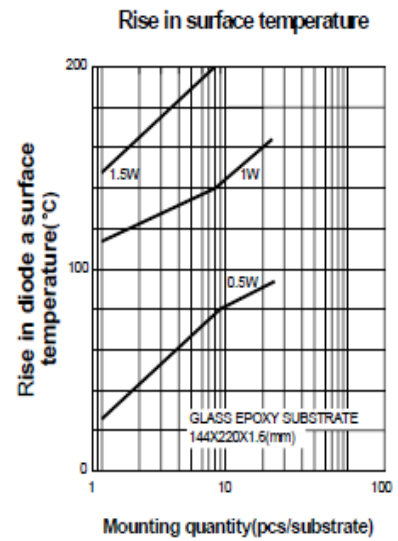
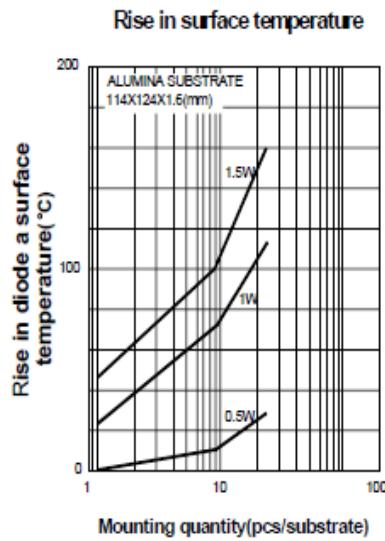
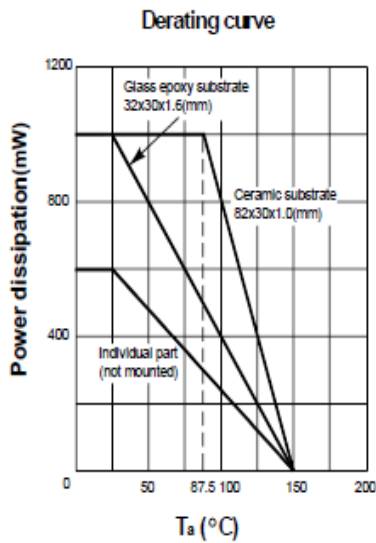
### Electrical Characteristics (T<sub>A</sub>=25°C unless otherwise noted)

Type	Zener Voltage			Dynamic Resistance		Reverse current	
	V <sub>Z</sub>		at I <sub>ZT</sub>	Z <sub>ZT</sub> (Ω)	at I <sub>ZT</sub>	I <sub>R</sub> (μA)	at V <sub>R</sub>
	Min. (V)	Max. (V)	(mA)	Max.	(mA)	Max.	(V)
ZMPTZ3V6B	3.6	4	40	15	40	20	1
ZMPTZ3V9B	3.9	4.4	40	15	40	20	1
ZMPTZ4V3B	4.3	4.8	40	15	40	20	1
ZMPTZ4V7B	4.7	5.2	40	10	40	20	1
ZMPTZ5V1B	5.1	5.7	40	8	40	20	1
ZMPTZ5V6B	5.6	6.3	40	8	40	20	1.5
ZMPTZ6V2B	6.2	7	40	6	40	20	3
ZMPTZ6V8B	6.8	7.7	40	6	40	20	3.5
ZMPTZ7V5B	7.5	8.4	40	4	40	20	4
ZMPTZ8V2B	8.2	9.3	40	4	40	20	5
ZMPTZ9V1B	9.1	10.2	40	6	40	20	6
ZMPTZ10B	10	11.2	40	6	40	10	7
ZMPTZ11B	11	12.3	20	8	20	10	8
ZMPTZ12B	12	13.5	20	8	20	10	9
ZMPTZ13B	13.3	15	20	10	20	10	10
ZMPTZ15B	14.7	16.5	20	10	20	10	11
ZMPTZ16B	16.2	18.3	20	12	20	10	12
ZMPTZ18B	18	20.3	20	12	20	10	13
ZMPTZ20B	20	22.4	20	14	20	10	15
ZMPTZ22B	22	24.5	10	14	10	10	17
ZMPTZ24B	24	27.6	10	16	10	10	19
ZMPTZ27B	27	30.8	10	16	10	10	21
ZMPTZ30B	30	34	10	18	10	10	23
ZMPTZ33B	33	37	10	18	10	10	25
ZMPTZ36B	36	40	10	20	10	10	27

Note:

- 1) Tested with pulses t<sub>p</sub> = 20 ms.

### Ratings and Characteristic Curves





## ZMPTZ3V6B THRU ZMPTZ36B *Silicon Epitaxial Planar Zener Diodes*

### Ordering Information

Part No.	Package	Packing Code	Packing
ZMPTZ3V6B THRU ZMPTZ36B	LL-41	R50	5000pcs/Reel

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