



Micro Commercial Components  
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# DLZ3.6B THRU DLZ39B

## Features

- Small Surface Mounting Type.(LLDS)
- High Reliability
- Silicon Epitaxial Planar

**500 mW  
 Zener Diode  
 3.725 to 36.275 Volts**

## Maximum Ratings

Symbol	Rating	Rating	Unit
$P_b$	Power dissipation	500	mW
$T_j$	Junction Temperature	-55 to +150	$^{\circ}\text{C}$
$T_{STG}$	Storage Temperature Range	-55 to +150	$^{\circ}\text{C}$

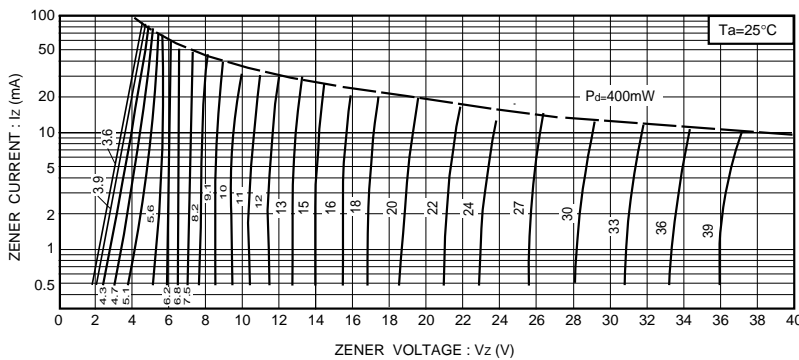


Fig.1 Zener characteristics

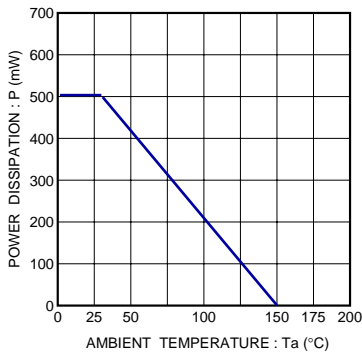


Fig.2 Derating curve

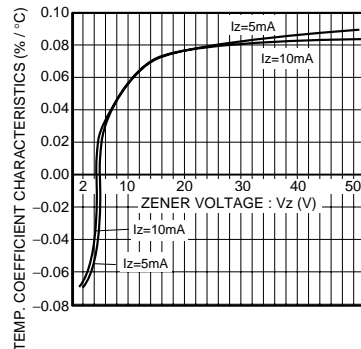
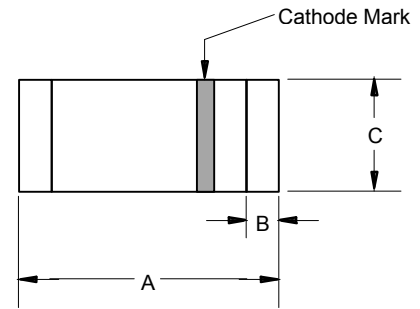


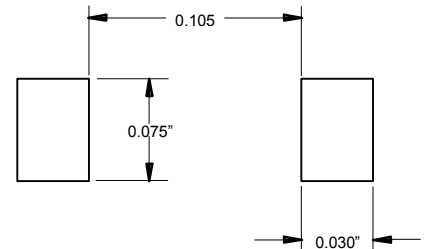
Fig.3 Zener voltage - temp.coefficient characteristics

## MINIMELF



DIM	INCHES		MM		NOTE
	MIN	MAX	MIN	MAX	
A	.134	.142	3.40	3.60	
B	.008	.016	0.20	0.40	
C	.055	.059	1.40	1.50	

### SUGGESTED SOLDER PAD LAYOUT



# DLZ3.6B thru DLZ39B



## ELECTRICAL CHARACTERISTICS @25°C

Type	ZENER VOLTAGE $V_z$ VOLTS			Operating Resistance $Z_z$ (OHMS)		Rising Operating Resistance $Z_{zk}$ (OHMS)		REVERSE CURRENT $I_R$ (Max) @ $V_R$	
	Min.	Max.	$I_z$ (mA)	Max.	$I_z$ (mA)	Max.	$I_z$ (mA)	$\mu$ A	VOLTS
DLZ3.6B	3.600	3.845	20	60	20	1000	1.0	10	1.0
DLZ3.9B	3.89	4.16	20	50	20	1000	1.0	5.0	1.0
DLZ4.3B	4.17	4.43	20	40	20	1000	1.0	5.0	1.0
DLZ4.7B	4.55	4.80	20	25	20	900	1.0	5.0	1.0
DLZ5.1B	4.94	5.20	20	20	20	800	1.0	5.0	1.5
DLZ5.6B	5.45	5.73	20	13	20	500	1.0	5.0	2.5
DLZ6.2B	5.96	6.27	20	10	20	300	1.0	5.0	3.0
DLZ6.8B	6.49	6.83	20	8.0	20	150	0.5	2.0	3.5
DLZ7.5B	7.07	7.45	20	8.0	20	120	0.5	0.5	4.0
DLZ8.2B	7.78	8.19	20	8.0	20	120	0.5	0.5	5.0
DLZ9.1B	8.57	9.01	20	8.0	20	120	0.5	0.5	6.0
DLZ10B	9.41	9.90	20	8.0	20	120	0.5	0.2	7.0
DLZ11B	10.50	11.05	10	10	10	120	0.5	0.2	8.0
DLZ12B	11.44	12.03	10	12	10	110	0.5	0.2	9.0
DLZ13B	12.55	13.21	10	14	10	110	0.5	0.2	10
DLZ15B	13.89	14.62	10	16	10	110	0.5	0.2	11
DLZ16B	15.25	16.04	10	18	10	150	0.5	0.2	12
DLZ18B	16.82	17.70	10	23	10	150	0.5	0.2	13
DLZ20B	18.63	19.59	10	28	10	200	0.5	0.2	15
DLZ22B	20.64	21.71	5.0	30	5.0	200	0.5	0.2	17
DLZ24B	22.61	23.77	5.0	35	5.0	200	0.5	0.2	19
DLZ27B	24.97	26.26	5.0	45	5.0	250	0.5	0.2	21
DLZ30B	27.70	29.13	5.0	55	5.0	250	0.5	0.2	23
DLZ33B	30.32	31.88	5.0	65	5.0	250	0.5	0.2	25
DLZ36B	32.79	34.49	5.0	75	5.0	250	0.5	0.2	27
DLZ39B	35.36	37.19	5.0	85	5.0	250	0.5	0.2	30