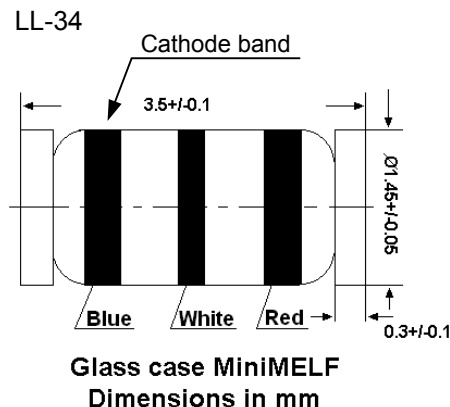


ZMM ... LZB Series

SILICON EPITAXIAL PLANER ZENER DIODES Constant Voltage Control Applications

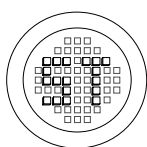
Features

- Small surface mounting type
- High reliability



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

Parameter	Symbol	Value	Unit
Power Dissipation	P_{tot}	500	mW
Junction Temperature	T_j	175	$^\circ\text{C}$
Storage Temperature Range	T_s	- 65 to + 175	$^\circ\text{C}$



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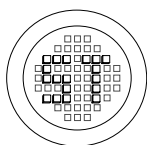
Dated : 17/05/2006

ZMM ... LZB Series

Characteristics at $T_a = 25\text{ }^{\circ}\text{C}$

Type	Zener Voltage ¹⁾			Operating Resistance		Rising Operating Resistance		Reverse Current	
	V_Z (V)		I_Z (mA)	Z_Z (Ω)		Z_{ZK} (Ω)		I_R (μA)	
	Min.	Max.		Max.	I_Z (mA)	Max.	I_Z (mA)	Max.	V_R (V)
ZMM3V6LZB	3.6	3.845	20	60	20	1000	1	10	1
ZMM3V9LZB	3.89	4.16	20	50	20	1000	1	5	1
ZMM4V3LZB	4.17	4.43	20	40	20	1000	1	5	1
ZMM4V7LZB	4.55	4.8	20	25	20	900	1	5	1
ZMM5V1LZB	4.94	5.2	20	20	20	800	1	5	1.5
ZMM5V6LZB	5.45	5.73	20	13	20	500	1	5	2.5
ZMM6V2LZB	5.96	6.27	20	10	20	300	1	5	3
ZMM6V8LZB	6.49	6.83	20	8	20	150	0.5	2	3.5
ZMM7V5LZB	7.07	7.45	20	8	20	120	0.5	0.5	4
ZMM8V2LZB	7.78	8.19	20	8	20	120	0.5	0.5	5
ZMM9V1LZB	8.57	9.01	20	8	20	120	0.5	0.5	6
ZMM10LZB	9.41	9.9	20	8	20	120	0.5	0.2	7
ZMM11LZB	10.5	11.05	10	10	10	120	0.5	0.2	8
ZMM12LZB	11.44	12.03	10	12	10	110	0.5	0.2	9
ZMM13LZB	12.55	13.21	10	14	10	110	0.5	0.2	10
ZMM15LZB	13.89	14.62	10	16	10	110	0.5	0.2	11
ZMM16LZB	15.25	16.04	10	18	10	150	0.5	0.2	12
ZMM18LZB	16.82	17.7	10	23	10	150	0.5	0.2	13
ZMM20LZB	18.63	19.59	10	28	10	200	0.5	0.2	15
ZMM22LZB	20.64	21.71	5	30	5	200	0.5	0.2	17
ZMM24LZB	22.61	23.77	5	35	5	200	0.5	0.2	19
ZMM27LZB	24.97	26.26	5	45	5	250	0.5	0.2	21
ZMM30LZB	27.7	29.13	5	55	5	250	0.5	0.2	23
ZMM33LZB	30.32	31.88	5	65	5	250	0.5	0.2	25
ZMM36LZB	32.79	34.49	5	75	5	250	0.5	0.2	27
ZMM39LZB	35.36	37.19	5	85	5	250	0.5	0.2	30

¹⁾ Tested with pulses $t_p = 20\text{ ms}$.



®

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ISO/TS 16949 : 2002
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ISO 14001:2004
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ISO 9001:2000
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