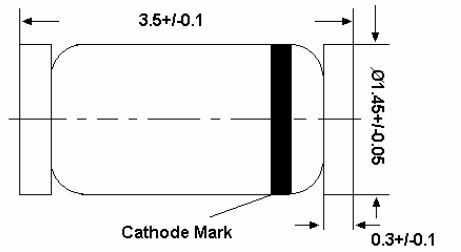
ZMM ... LZB Series

SILICON EPITAXIAL PLANER ZENER DIODES
Constant Voltage Control Applications

Features

- Small surface mounting type
- High reliability

LL-34



Glass case MiniMELF
Dimensions in mm

Absolute Maximum Ratings (T_a = 25 °C)

Parameter	Symbol	Value	Unit
Power Dissipation	P_{tot}	500	mW
Junction Temperature	T_j	175	°C
Storage Temperature Range	T_S	- 65 to + 175	°C

Characteristics at T_a = 25 °C

Type	Zener Voltage [1] V_Z (V)			Operating Resistance Z_Z (Ω)		Rising Operating Resistance Z_{ZK} (Ω)		Reverse Current I_R (µA)	
	Min.	Max.	I_Z (mA)	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 tp = 20 ms.