

Silicon Epitaxial Planar Zener Diodes

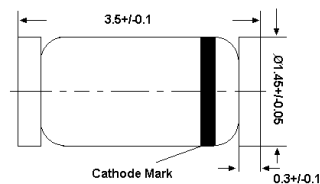
ZMM...LZB Series

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 _{stg}	- 65 to + 175	°C

Characteristics at T_a = 25 °C (V_F = 1 V Max. at I_F = 100 mA)

Type	Zener Voltage ¹⁾		Operating Resistance			Rising Operating Resistance		Reverse Current	
	V _Z		at I _{ZT}	Z _{ZT}	at I _{ZT}	Z _{ZK}	at I _{ZK}	I _R	at V _R
	Min. (V)	Max. (V)	(mA)	Max. (Ω)	(mA)	Max. (Ω)	(mA)	Max. (μA)	(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.