



Micro Commercial Components

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ZMY3.0G THRU ZMY75G

Silicon
1.0 Watt
Zener Diodes

Features

- Silicon Power Zener Diodes
- 3.0 thru 75 Volts Voltage Range
- For Surface Mount Application

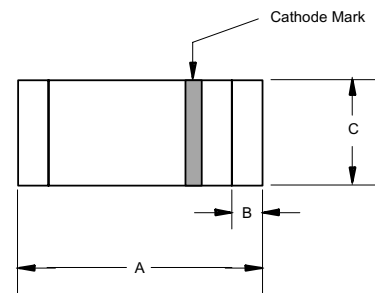
Mechanical Data

- Glass Case: MELF
- Mounting Position: Any

Maximum Ratings @ 25°C Unless Otherwise Specified

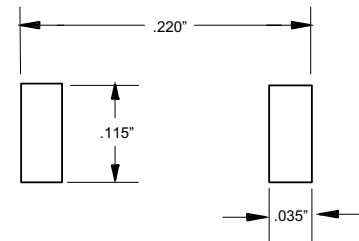
Power Dissipation	P_{tot}	1.0	Watt
Thermal Resistance Junction to Ambient Air	R_{thJA}	<170	K/W
Junction Temperature	T_J	150°C	
Storage Temperature	T_{STG}	-50°C to +150°C	

GLASS MELF



DIM	DIMENSIONS				NOTE
	INCHES		MM		
A	.190	.205	4.80	5.20	
B	---	.022	---	.55	Nominal
C	.095	.105	2.40	2.67	∅

SUGGESTED SOLDER PAD LAYOUT



ZMY3.0G thru ZMY75G



ELECTRICAL CHARACTERISTICS (Ratings at 25°C ambient temperature unless otherwise specified.)

Type	Zener Voltage@Izt		Test Current Izt(mA)	Dynamic Resistance@Izt Ohm	Temp. Coefficient $\alpha_{Vz} (10^{-4}/^{\circ}\text{C})$	Reverse Volt @I _r =1 μ A V _r (V)	Max.Zener Current I _z max(mA)
	V _z min (V)	V _z max(V)					
ZMY3.0G	2.8	3.2	100	5 (<8)	-8...+1	-	313
ZMY3.3G	3.1	3.5	100	5 (<8)	-8...+1	> 0.7 / 150 μ A	286
ZMY3.6G	3.4	3.8	100	5 (<8)	-8...+1	> 0.7 / 100 μ A	263
ZMY3.9G	3.7	4.1	100	4 (<7)	-7...+2	> 0.7 / 100 μ A	244
ZMY4.3G	4	4.6	100	4 (<7)	-7...+3	> 0.7 / 50 μ A	217
ZMY4.7G	4.4	5	100	4 (<7)	-7...+4	> 0.7 / 10 μ A	200
ZMY5.1G	4.8	5.4	100	2 (<5)	-6...+5	> 0.7 / 10 μ A	185
ZMY5.6G	5.2	6	100	1 (<2)	-3...+5	> 0.5 / 3 μ A	167
ZMY6.2G	5.8	6.6	100	1 (<2)	-1...+6	> 1.5 / 500 nA	152
ZMY6.8G	6.4	7.2	100	1 (<2)	0...+7	> 2 / 500 nA	139
ZMY7.5G	7	7.9	100	1 (<2)	0...+7	> 3 / 500 nA	127
ZMY8.2G	7.7	8.7	100	1 (<2)	+3...+8	> 6 / 500 nA	115
ZMY9.1G	8.5	9.6	50	2 (<4)	+3...+8	> 7 / 500 nA	104
ZMY10G	9.4	10.6	50	2 (<4)	+5...+9	> 5	123
ZMY11G	10.4	11.6	50	4 (<7)	+5...+10	> 5	112
ZMY12G	11.4	12.7	50	4 (<7)	+5...+10	> 7	102
ZMY13G	12.4	14.1	50	5 (<10)	+5...+10	> 7	92
ZMY15G	13.8	15.6	50	5 (<10)	+5...+10	> 10	83
ZMY16G	15.3	17.1	25	6 (<15)	+6...+11	> 10	76
ZMY18G	16.8	19.1	25	6 (<15)	+6...+11	> 10	68
ZMY20G	18.8	21.2	25	6 (<15)	+6...+11	> 10	61
ZMY22G	20.8	23.3	25	6 (<15)	+6...+11	> 12	56
ZMY24G	22.8	25.6	25	7 (<15)	+6...+11	> 12	51
ZMY27G	25.1	28.9	25	7 (<15)	+6...+11	> 14	45
ZMY30G	28	32	25	8 (<15)	+6...+11	> 14	41
ZMY33G	31	35	25	8 (<15)	+6...+11	> 17	37
ZMY36G	34	38	10	16 (<40)	+6...+11	> 17	34
ZMY39G	37	41	10	20 (<40)	+6...+11	> 20	32
ZMY43G	40	46	10	24 (<45)	+7...+12	> 20	28
ZMY47G	44	50	10	24 (<45)	+7...+12	> 24	26
ZMY51G	48	54	10	25 (<60)	+7...+12	> 24	24
ZMY56G	52	60	10	25 (<60)	+7...+12	> 28	22
ZMY62G	58	66	10	25 (<80)	+8...+13	> 28	20
ZMY68G	64	72	10	25 (<80)	+8...+13	> 34	18
ZMY75G	70	79	10	30 (<100)	+8...+13	> 34	16



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