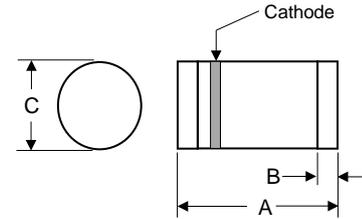


Features



RoHS
COMPLIANT



LL-34				
DIM	INCHES		MM	
	MIN	MAX	MIN	MAX
A	0.134	0.142	3.40	3.60
B	0.008	0.016	0.20	0.40
C	0.055	0.059	1.40	1.50

Absolute Maximum Ratings (T_A=25°C unless otherwise noted)

Parameter	Symbol	Value	Unit
Power Dissipation	P _{tot}	1	W
Junction Temperature	T _j	175	°C
Storage Temperature Range	T _{stg}	- 50 to + 175	°C

Electrical Characteristics (T_A=25°C unless otherwise noted)

Type	Zener Voltage Range ¹⁾			Max. Dynamic Resistance				Max. Reverse Current		Max. Zener Current
	V _Z		at I _{ZT}	Z _{zT}	at I _{ZT}	Z _{zk}	at I _{zk}	I _r	at V _r	I _{ZM}
	Min. (V)	Max. (V)	mA	Ω	mA	Ω	mA	μA	V	mA
ZGD3V0	2.8	3.2	5	95	5	-	-	150	1	275
ZGD3V3	3.1	3.5	5	95	5	-	-	150	1	275
ZGD3V6	3.4	3.8	5	95	5	-	-	100	1	252
ZGD3V9	3.7	4.1	5	95	5	-	-	100	1	244
ZGD4V3	4	4.6	5	95	5	-	-	50	1	217
ZGD4V7	4.4	5	5	78	5	1400	1	10	1	200
ZGD5V1	4.8	5.4	5	60	5	700	1	1	0.5	185
ZGD5V6	5.2	6	5	40	5	500	1	1	1	167
ZGD6V2	5.8	6.6	5	11	5	300	1	1	1.5	152
ZGD6V8	6.4	7.2	5	10	5	300	1	1	2	139
ZGD7V5	7	7.9	5	8	5	100	1	0.5	3.5	127
ZGD8V2	7.7	8.7	5	10	5	50	1	0.5	5	115
ZGD9V1	8.5	9.6	5	11	5	50	1	0.5	6	104

Electrical Characteristics (T_A=25°C unless otherwise noted)

Type	Zener Voltage Range ¹⁾			Max. Dynamic Resistance				Max. Reverse Current		Max. Zener Current
	V _Z		at I _{ZT}	Z _{ZT}	at I _{ZT}	Z _{ZK}	at I _{ZK}	I _R	at V _R	I _{ZM}
	Min. (V)	Max. (V)	mA	Ω	mA	Ω	mA	μA	V	mA
ZGD10	9.4	10.6	5	15	5	70	1	0.5	7	94
ZGD11	10.4	11.6	5	20	5	70	1	0.5	7	86
ZGD12	11.4	12.7	5	20	5	90	1	0.5	8	79
ZGD13	12.4	14.1	5	25	5	110	1	0.5	9	71
ZGD15	13.8	15.6	5	30	5	110	1	0.5	10	64
ZGD16	15.3	17.1	5	40	5	170	1	0.5	11	58
ZGD18	16.8	19.1	5	50	5	170	1	0.5	12	52
ZGD20	18.8	21.2	5	50	5	220	1	0.5	13	47
ZGD22	20.8	23.3	5	55	5	220	1	0.5	15	43
ZGD24	22.8	25.6	5	80	5	220	1	0.5	16	39
ZGD27	25.1	28.9	5	80	5	250	1	0.5	18	35
ZGD30	28	32	5	80	5	250	1	0.5	20	31
ZGD33	31	35	5	80	5	250	1	0.5	22	29
ZGD36	34	38	5	90	5	300	1	0.5	24	26
ZGD39	37	41	5	90	5	500	1	0.5	26	24
ZGD43	40	46	5	100	5	700	1	0.5	28	22
ZGD47	44	50	5	100	5	750	1	0.5	31	20
ZGD51	48	54	5	100	5	750	1	0.5	34	19
ZGD56	52	60	5	100	5	750	1	0.5	36	17
ZGD62	58	66	5	110	5	750	1	0.5	41	15
ZGD68	64	72	5	140	5	750	1	0.5	45	14
ZGD75	70	79	5	150	5	750	1	0.5	49	13

Note:

1) Tested with pulses t_p = 20 ms.



ZGD Series

Surface Mount Silicon Zener Diodes

Ordering Information

Part No.	Package	Packing Code	Packing
ZGD Series	LL-34	R25	2500pcs/Reel

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