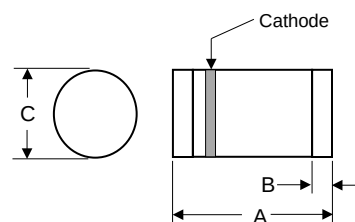


Features

- * For stabilized power supply
- * LL-34 package is suitable for high-density surface mounting and high speed assembly
- * Low leakage, low zener impedance and maximum power dissipation of 500 mW.
- * Wide spectrum from 1.9 V through 38 V of zener voltage provide flexible application.



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 (TA=25°C unless otherwise noted)

Parameter	Symbol	Value	Unit
Power Dissipation	P_{tot}	500	mW
Junction Temperature	T_j	175	°C
Storage Temperature Range	T_{stg}	- 55 to + 175	°C

Characteristics (TA=25°C unless otherwise noted)

Parameter	Symbol	Max.	Unit
Forward Voltage at $I_F = 100$ mA	V_F	1	V

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

Type	Zener Voltage ¹⁾			Reverse Current		Dynamic Resistance	
	V _Z		at I _{ZT}	I _R	at V _R	Z _{ZT}	at I _{ZT}
	Min. (V)	Max. (V)	(mA)	Max. (μA)	(V)	Max. (Ω)	(mA)
HZK2B	1.9	2.3	5	5	0.5	100	5
HZK2C	2.2	2.6	5	5	0.5	100	5
HZK3A	2.5	2.9	5	5	0.5	100	5
HZK3B	2.8	3.2	5	5	0.5	100	5
HZK3C	3.1	3.5	5	5	0.5	100	5
HZK4A	3.4	3.8	5	5	1	100	5
HZK4B	3.7	4.1	5	5	1	100	5
HZK4C	4	4.4	5	5	1	100	5
HZK5A	4.3	4.7	5	5	1.5	100	5
HZK5B	4.6	5	5	5	1.5	100	5
HZK5C	4.9	5.3	5	5	1.5	100	5
HZK6A	5.2	5.7	5	5	2	40	5
HZK6B	5.5	6	5	5	2	40	5
HZK6C	5.8	6.4	5	5	2	40	5
HZK7A	6.3	6.9	5	1	3.5	15	5
HZK7B	6.7	7.3	5	1	3.5	15	5
HZK7C	7.2	7.9	5	1	3.5	15	5
HZK9A	7.7	8.5	5	1	5	20	5
HZK9B	8.3	9.1	5	1	5	20	5
HZK9C	8.9	9.7	5	1	5	20	5
HZK11A	9.5	10.3	5	1	7.5	25	5
HZK11B	10.2	11.1	5	1	7.5	25	5
HZK11C	10.9	11.9	5	1	7.5	25	5
HZK12A	11.6	12.7	5	1	9.5	35	5
HZK12B	12.4	13.4	5	1	9.5	35	5
HZK12C	13.2	14.3	5	1	9.5	35	5
HZK15	14.1	15.5	5	1	11	40	5
HZK16	15.3	17.1	5	1	12	45	5
HZK18	16.9	19	5	1	13	55	5
HZK20	18.8	21.1	2	1	15	60	2
HZK22	20.9	23.3	2	1	17	65	2
HZK24	22.9	25.5	2	1	19	70	2
HZK27	25.2	28.6	2	1	21	80	2
HZK30	28.2	31.6	2	1	23	100	2
HZK33	31.2	34.6	2	1	25	120	2
HZK36	34.2	38	2	1	27	140	2

Note:

1) Tested with pulses t_p = 20 ms.

Ratings and Characteristic Curves

Fig.1- Zener current versus zener voltage

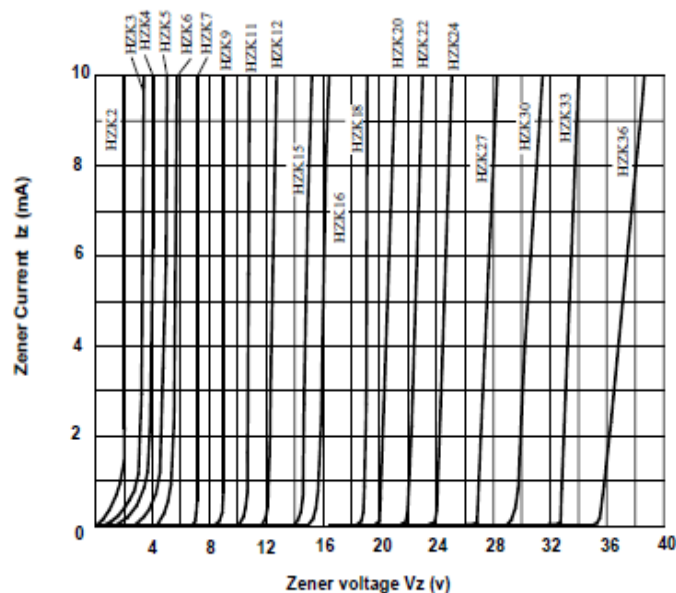


Fig.2 Temperature Coefficient Vs. Zener voltage

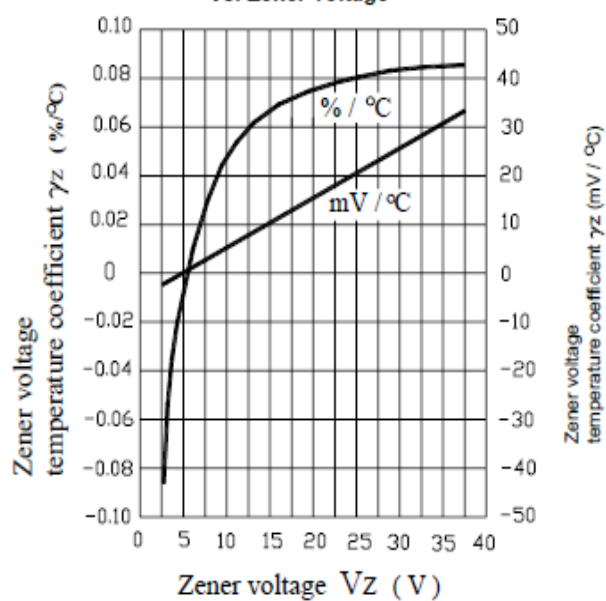
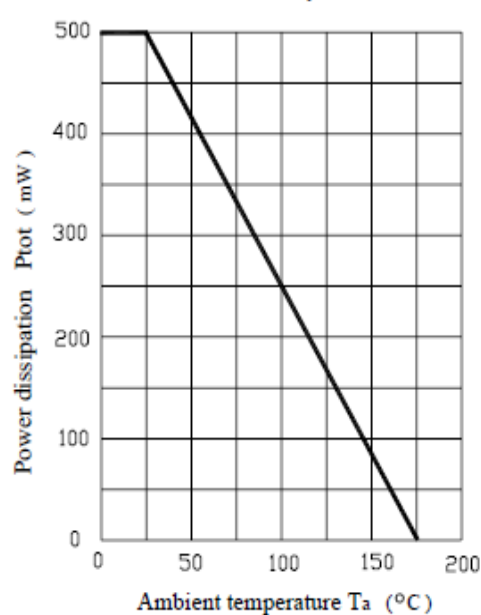


Fig. 3 Power dissipation Vs. Ambient temperature





HZK Series

Silicon Epitaxial Planar Zener Diodes

Ordering Information

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

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