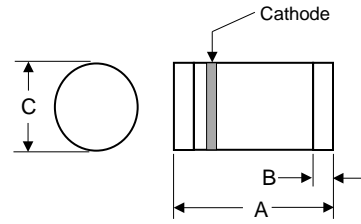


### Features

- \* 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 (T<sub>A</sub>=25°C unless otherwise noted)

Parameter	Symbol	Value	Unit
Power Dissipation	P <sub>tot</sub>	500	mW
Junction Temperature	T <sub>j</sub>	175	°C
Storage Temperature Range	T <sub>stg</sub>	- 55 to + 175	°C

### Characteristics (T<sub>A</sub>=25°C unless otherwise noted)

Parameter	Symbol	Max.	Unit
Forward Voltage at I <sub>F</sub> = 100 mA	V <sub>F</sub>	1	V

### Electrical Characteristics (T<sub>A</sub>=25°C unless otherwise noted)

Type	Zener Voltage <sup>1)</sup>			Reverse Current		Dynamic Resistance	
	V <sub>Z</sub>		at I <sub>ZT</sub>	I <sub>R</sub>	at V <sub>R</sub>	Z <sub>zT</sub>	at I <sub>ZT</sub>
	Min. (V)	Max. (V)	(mA)	Max. (μA)	(V)	Max. (Ω)	(mA)
HVK2B	1.9	2.3	5	5	0.5	100	5
HVK2C	2.2	2.6	5	5	0.5	100	5
HVK3A	2.5	2.9	5	5	0.5	100	5
HVK3B	2.8	3.2	5	5	0.5	100	5
HVK3C	3.1	3.5	5	5	0.5	100	5
HVK4A	3.4	3.8	5	5	1	100	5
HVK4B	3.7	4.1	5	5	1	100	5
HVK4C	4	4.4	5	5	1	100	5
HVK5A	4.3	4.7	5	5	1.5	100	5
HVK5B	4.6	5	5	5	1.5	100	5
HVK5C	4.9	5.3	5	5	1.5	100	5
HVK6A	5.2	5.7	5	5	2	40	5
HVK6B	5.5	6	5	5	2	40	5
HVK6C	5.8	6.4	5	5	2	40	5
HVK7A	6.3	6.9	5	1	3.5	15	5
HVK7B	6.7	7.3	5	1	3.5	15	5
HVK7C	7.2	7.9	5	1	3.5	15	5
HVK9A	7.7	8.5	5	1	5	20	5
HVK9B	8.3	9.1	5	1	5	20	5
HVK9C	8.9	9.7	5	1	5	20	5
HVK11A	9.5	10.3	5	1	7.5	25	5
HVK11B	10.2	11.1	5	1	7.5	25	5
HVK11C	10.9	11.9	5	1	7.5	25	5
HVK12A	11.6	12.7	5	1	9.5	35	5
HVK12B	12.4	13.4	5	1	9.5	35	5
HVK12C	13.2	14.3	5	1	9.5	35	5
HVK15	14.1	15.5	5	1	11	40	5
HVK16	15.3	17.1	5	1	12	45	5
HVK18	16.9	19	5	1	13	55	5
HVK20	18.8	21.1	2	1	15	60	2
HVK22	20.9	23.3	2	1	17	65	2
HVK24	22.9	25.5	2	1	19	70	2
HVK27	25.2	28.6	2	1	21	80	2
HVK30	28.2	31.6	2	1	23	100	2
HVK33	31.2	34.6	2	1	25	120	2
HVK36	34.2	38	2	1	27	140	2

Note:

1) Tested with pulses t<sub>p</sub> = 20 ms.

### Ratings and Characteristic Curves

Fig.1- Zener current versus zener voltage

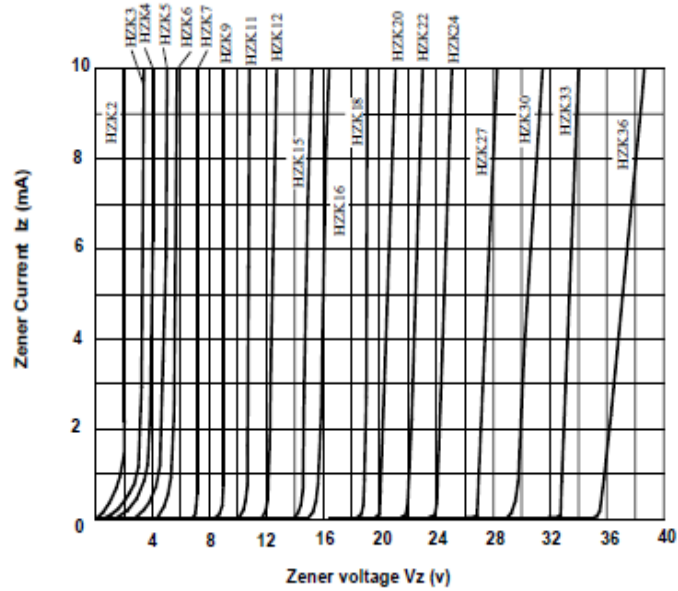


Fig.2 Temperature Coefficient Vs. Zener voltage

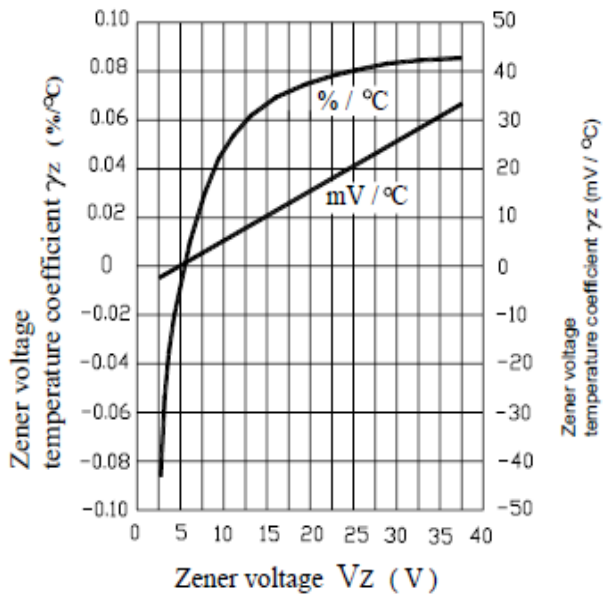
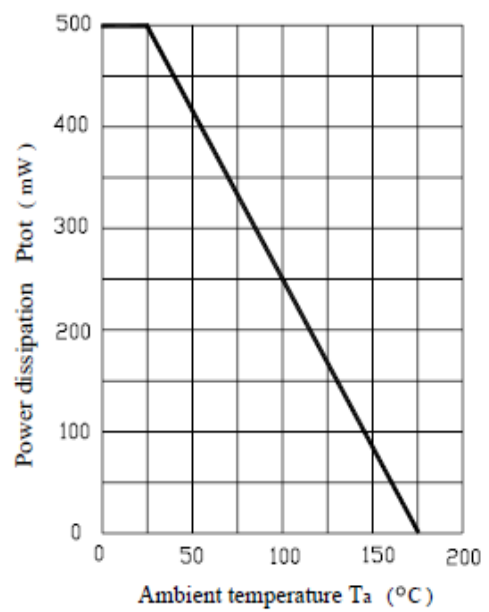


Fig. 3 Power dissipation Vs. Ambient temperature





## HZK Series

### *Silicon Epitaxial Planar Zener Diodes*

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#### Ordering Information

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

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