

HZK-L Series

P_D : 400 mW

FEATURES :

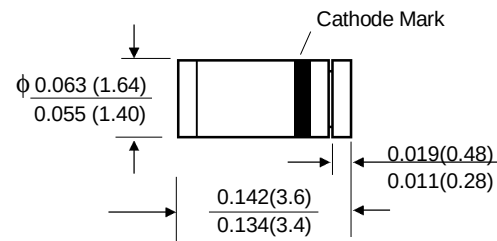
- * High peak reverse power dissipation
- * High reliability
- * Low leakage current
- * Pb / RoHS Free

MECHANICAL DATA

- * Case : MiniMELF Glass Case (SOD-80C)
- * Weight : 0.05 gram (approximately)

ZENER DIODES

MiniMELF (SOD-80C)



Dimensions in inches and (millimeters)

MAXIMUM RATINGS (Ta=25°C)

Parameter	Symbol	Value	Unit
Power Dissipation	P_D	400	mW
Junction Temperature	T_j	175	°C
Storage Temperature Range	T_{stg}	- 55 to + 175	°C

ELECTRICAL CHARACTERISTICS (Ta=25°C)

Type	Grade	Zener Voltage		Test Current I _{ZT}	Maximum Dynamic Resistance			Maximum Reverse Current			Typical Temperature Coefficient*	
		V _Z (V)			r _d (Ω)	@ I _Z (mA)	I _R (μA)	@ V _R (V)	γ _Z (mV/°C)	I _Z (mA)		
		min.	max.	(mA)								
HZK6L	A1	5.2	5.5	0.5	150	0.5	1	2.0	1.0	0.5		
	A2	5.3	5.6									
	A3	5.4	5.7									
	B1	5.5	5.8		80							
	B2	5.6	5.9									
	B3	5.7	6.0									
	C1	5.8	6.1		60							
	C2	6.0	6.3									
	C3	6.1	6.4									
HZK7L	A1	6.3	6.6	0.5	60	0.5	1	3.5	2.0	0.5		
	A2	6.4	6.7									
	A3	6.6	6.9									
	B1	6.7	7.0									
	B2	6.9	7.2									
	B3	7.0	7.3									
	C1	7.2	7.6									
	C2	7.3	7.7									
	C3	7.5	7.9									

* Referent only

ELECTRICAL CHARACTERISTICS (Ta=25°C)

Type	Grade	Zener Voltage		Test Current I _{ZT}	Maximum Dynamic Resistance		Maximum Reverse Current			Typical Temperature Coefficient*	
		V _Z (V)			r _d (Ω)	@ I _Z (mA)	I _R (μA)	@ V _R (V)	γ _Z (mV/°C)	I _Z (mA)	
		min.	max.	(mA)							
HZK9L	A1	7.7	8.1	0.5	60	0.5	1	6.0	3.0	0.5	
	A2	7.9	8.3								
	A3	8.1	8.5								
	B1	8.3	8.7								
	B2	8.5	8.9								
	B3	8.7	9.1								
	C1	8.9	9.3								
	C2	9.1	9.5								
	C3	9.3	9.7								
HZK11L	A1	9.5	9.9	0.5	80	0.5	1	8.0	5.0	0.5	
	A2	9.7	10.1								
	A3	9.9	10.3								
	B1	10.2	10.6								
	B2	10.4	10.8								
	B3	10.7	11.1								
	C1	10.9	11.3								
	C2	11.1	11.6								
	C3	11.4	11.9								
HZK12L	A1	11.6	12.1	0.5	80	0.5	1	10.5	7.0	0.5	
	A2	11.9	12.4								
	A3	12.2	12.7								
	B1	12.4	12.9								
	B2	12.6	13.1								
	B3	12.9	13.4								
	C1	13.2	13.7								
	C2	13.5	14.0								
	C3	13.8	14.3								
HZK15L	1	14.1	14.7	0.5	80	0.5	1	13.0	9.0	0.5	
	2	14.5	15.1								
	3	14.9	15.5								
HZK16L	1	15.3	15.9	0.5	80	0.5	1	14.0	10.0	0.5	
	2	15.7	16.5								
	3	16.3	17.1								
HZK18L	1	16.9	17.7	0.5	80	0.5	1	15.0	12.0	0.5	
	2	17.5	18.3								
	3	18.1	19.0								
HZK20L	1	18.8	19.7	0.5	100	0.5	1	18.0	14.0	0.5	
	2	19.5	20.4								
	3	20.2	21.1								
HZK22L	1	20.9	21.9	0.5	100	0.5	1	20.0	16.0	0.5	
	2	21.6	22.6								
	3	22.3	23.3								

* Referent only

ELECTRICAL CHARACTERISTICS (Ta=25°C)

Type	Grade	Zener Voltage		Test Current I _{ZT}	Maximum Dynamic Resistance		Maximum Reverse Current		Typical Temperature Coefficient*	
		V _Z (V)			r _d (Ω)	@ I _Z (mA)	I _R (μA)	@ V _R (V)	γ _Z (mV/°C)	I _Z (mA)
		min.	max.	(mA)						
HZK24L	1	22.9	24.0	0.5	120	0.5	1	22.0	18.0	0.5
	2	23.6	24.7							
	3	24.3	25.5							
HZK27L	1	25.2	26.6	0.5	150	0.5	1	24.0	20.0	0.5
	2	26.2	27.6							
	3	27.2	28.6							
HZK30L	1	28.2	29.6	0.5	200	0.5	1	27.0	23.0	0.5
	2	29.2	30.6							
	3	30.2	31.6							
HZK33L	1	31.2	32.6	0.5	250	0.5	1	30.0	26.0	0.5
	2	32.2	33.6							
	3	33.2	34.6							
HZK36L	1	34.2	35.7	0.5	300	0.5	1	33.0	30.0	0.5
	2	35.3	36.8							
	3	36.4	38.0							

* Referent only

Note:

Type No. show as follows, HZK6A1L, HZK6A2L HZK36-3L