

HZS-L Series

P_D : 400 mW

FEATURES :

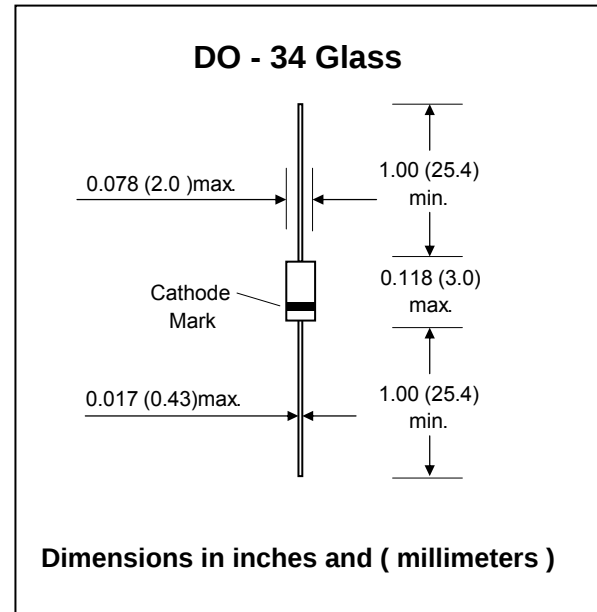
- * High peak reverse power dissipation
- * High reliability
- * Low leakage current
- * Pb / RoHS Free

MECHANICAL DATA

Case: DO-34 Glass Case

Weight: approx. 0.093g

ZENER DIODES

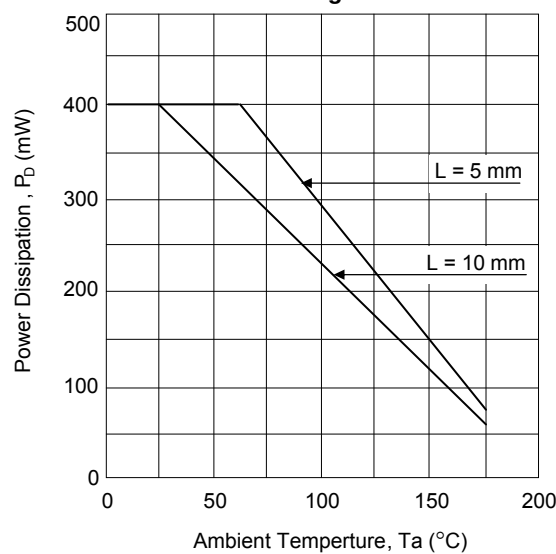


MAXIMUM RATINGS

Rating at 25 °C ambient temperature unless otherwise specified

Parameter	Symbol	Value	Unit
Forward Rectifier Current	I_F	150	mA
Power Dissipation	P_D	400	mW
Junction Temperature	T_J	200	°C
Storage Temperature Range	T_{stg}	- 55 to + 175	°C

Derating Curve



ELECTRICAL CHARACTERISTICS

Rating at 25 °C ambient temperature unless otherwise specified

Type	Grade	Zener Voltage		Test Current	Maximum Dynamic Resistance		Maximum Reverse Current		Typical Temperature Coefficient *	
		V _Z (V)		I _{ZT}	r _d @ I _Z		I _R @ V _R		γ _Z (mV/ °C)	I _Z
		min.	max.	(mA)	(Ω)	(mA)	(μA)	(V)		(mA)
HVS6L	A1	5.2	5.5	0.5	150	0.5	1	2.0	2.0	0.5
	A2	5.3	5.6							
	A3	5.4	5.7							
	B1	5.5	5.8							
	B2	5.6	5.9		80					
	B3	5.7	6.0							
	C1	5.8	6.1							
	C2	6.0	6.3		60					
	C3	6.1	6.4							
HVS7L	A1	6.3	6.6	0.5	60	0.5	1	3.5	3.0	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							
HVS9L	A1	7.7	8.1	0.5	60	0.5	1	6.0	7.0	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							
HVS11L	A1	9.5	9.9	0.5	80	0.5	1	8.0	1.0	2.0
	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							
HVS12L	A1	11.6	12.1	0.5	80	0.5	1	10.5	10.0	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							

* Referent only

ELECTRICAL CHARACTERISTICS

Rating at 25 °C ambient temperature unless otherwise specified

Type	Grade	Zener Voltage		Test Current	Maximum Dynamic Resistance		Maximum Reverse Current		Typical Temperature Coefficient *	
		V _Z (V) at I _{ZT}		I _{ZT}	r _d	@	I _R	@	V _R	γ _Z (mV/ °C)
		min.	max.	(mA)	(Ω)	I _Z	(μA)	(V)		I _Z
HZS15L	1	14.1	14.7	0.5	80	0.5	1	13.0	12.0	0.5
	2	14.5	15.1							
	3	14.9	15.5							
HZS16L	1	15.3	15.9	0.5	80	0.5	1	14.0	13.0	0.5
	2	15.7	16.5							
	3	16.3	17.1							
HZS18L	1	16.9	17.7	0.5	80	0.5	1	15.0	16.0	0.5
	2	17.5	18.3							
	3	18.1	19.0							
HZS20L	1	18.8	19.7	0.5	100	0.5	1	18.0	18.0	0.5
	2	19.5	20.4							
	3	20.2	21.1							
HZS22L	1	20.9	21.9	0.5	100	0.5	1	20.0	20.0	0.5
	2	21.6	22.6							
	3	22.3	23.3							
HZS24L	1	22.9	24.0	0.5	120	0.5	1	22.0	23.0	0.5
	2	23.6	24.7							
	3	24.3	25.5							
HZS27L	1	25.2	26.6	0.5	150	0.5	1	24.0	26.0	0.5
	2	26.2	27.6							
	3	27.2	28.6							
HZS30L	1	28.2	29.6	0.5	200	0.5	1	27.0	29.0	0.5
	2	29.2	30.6							
	3	30.2	31.6							
HZS33L	1	31.2	32.6	0.5	250	0.5	1	30.0	32.0	0.5
	2	32.2	33.6							
	3	33.2	34.6							
HZS36L	1	34.2	35.7	0.5	300	0.5	1	33.0	36.0	0.5
	2	35.3	36.8							
	3	36.4	38.0							

* Referent only

Note:

Type No show as follows, HZS6A1L, HZS6A2L HZS36-3L