

HZ6L Series

V_Z : 6.0 - 36V

P_D : 400mW

FEATURES :

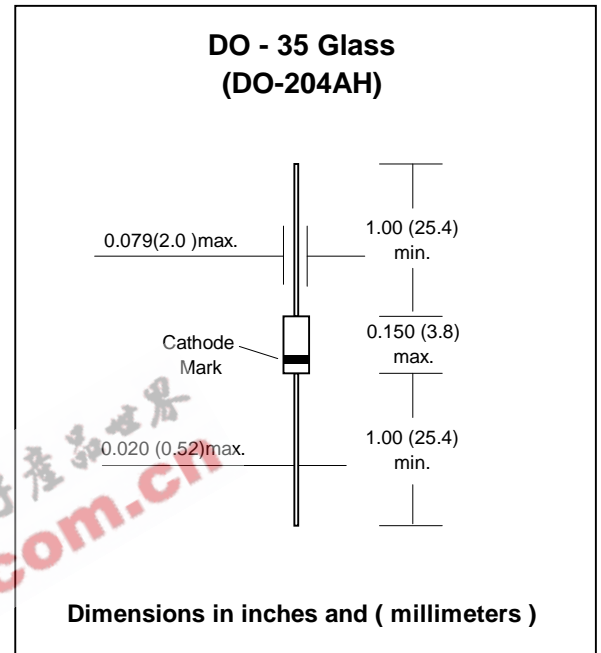
- * Low leakage, low zener impedance
- * Maximum power dissipation of 400 mW
- * Ideally suited for stabilized power supply, etc.
- * Pb / RoHS Free

MECHANICAL DATA :

Case: DO-35 Glass Case

Weight: approx. 0.13g

ZENER DIODES



Maximum Ratings and Thermal Characteristics

Rating at 25 °C ambient temperature unless otherwise specified.

Parameter	Symbol	Value	Unit
Zener Current see Table "Characteristics"			
Power Dissipation at $T_a = 75\text{ °C}$	P_D	400	mW
Junction temperature	T_J	175	°C
Storage temperature range	T_S	-65 to + 175	°C

Electrical Characteristics

Rating at 25 °C ambient temperature unless otherwise specified

Type No.	Grade	Zener Voltage $V_z @ I_{zT}$						Test Current	Maximum Dynamic Resistance		Maximum Reverse Current	
		Suffix-1		Suffix-2		Suffix-3						
		min. (V)	max. (V)	min. (V)	max. (V)	min. (V)	max. (V)	I_{zT} (mA)	$r_d @ I_z$ (Ω)	$I_R @ V_R$ (μ A)	V_R (V)	

HZ6L Series. 0.4 Watt. Case : DO-35 Glass

HZ6L	A	5.2	5.5	5.3	5.6	5.4	5.7	0.5	150	0.5	1.0	2.0
	B	5.5	5.8	5.6	5.9	5.7	6.0	0.5	80	0.5	1.0	2.0
	C	5.8	6.1	6.0	6.3	6.1	6.4	0.5	60	0.5	1.0	2.0
HZ7L	A	6.3	6.6	6.4	6.7	6.6	6.9	0.5	60	0.5	1.0	3.5
	B	6.7	7.0	6.9	7.2	7.0	7.3	0.5	60	0.5	1.0	3.5
	C	7.2	7.6	7.3	7.7	7.5	7.9	0.5	60	0.5	1.0	3.5
HZ9L	A	7.7	8.1	7.9	8.3	8.1	8.5	0.5	60	0.5	1.0	6.0
	B	8.3	8.7	8.5	8.9	8.7	9.1	0.5	60	0.5	1.0	6.0
	C	8.9	9.3	9.1	9.5	9.3	9.7	0.5	60	0.5	1.0	6.0
HZ11L	A	9.5	9.9	9.7	10.1	9.9	10.3	0.5	80	0.5	1.0	8.0
	B	10.2	10.6	10.4	10.8	10.7	11.1	0.5	80	0.5	1.0	8.0
	C	10.9	11.3	11.1	11.6	11.4	11.9	0.5	80	0.5	1.0	8.0
HZ12L	A	11.6	12.1	11.9	12.4	12.2	12.7	0.5	80	0.5	1.0	10.5
	B	12.4	12.9	12.6	13.1	12.9	13.4	0.5	80	0.5	1.0	10.5
	C	13.2	13.7	13.5	14.0	13.8	14.3	0.5	80	0.5	1.0	10.5
HZ15L		14.1	14.7	14.5	15.1	14.9	15.5	0.5	80	0.5	1.0	13
HZ16L		15.3	15.9	15.7	16.5	16.3	17.1	0.5	80	0.5	1.0	14
HZ18L		16.9	17.7	17.5	18.3	18.1	19.0	0.5	80	0.5	1.0	15
HZ20L		18.8	19.7	19.5	20.4	20.2	21.1	0.5	100	0.5	1.0	18
HZ22L		20.9	21.9	21.6	22.6	22.3	23.3	0.5	100	0.5	1.0	20
HZ24L		22.9	24.0	23.6	24.7	24.3	25.5	0.5	120	0.5	1.0	22
HZ27L		25.2	26.6	26.2	27.6	27.2	28.6	0.5	150	0.5	1.0	24
HZ30L		28.2	29.6	29.2	30.6	30.2	31.6	0.5	200	0.5	1.0	27
HZ33L		31.2	32.6	32.2	33.6	33.2	34.6	0.5	250	0.5	1.0	30
HZ36L		34.2	35.7	35.3	36.8	36.4	38.0	0.5	300	0.5	1.0	33

Note:

Type No. show as follows, HZ6A1L, HZ6A2L HZ36-3L