

## HZ6L Series

Zener Diodes

$V_Z$  : 6.0 - 36V

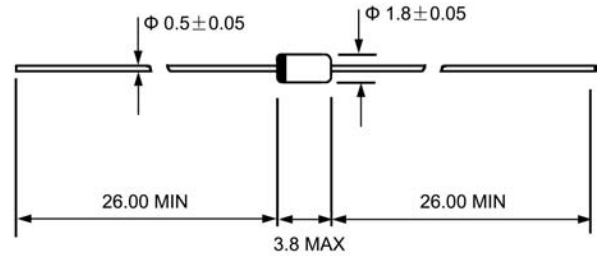
$P_D$  : 400mW



**DO - 35(GLASS)**

### Features

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



Dimensions in millimeters

### Mechanical Data

- ◇ **Case:** DO-35 Glass Case
- ◇ **Weight:** approx. 0.13g

### Maximum Ratings and Thermal Characteristics

Rating at 25 °

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



# HZ6L Series

## Zener Diodes

### 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			$r_d @ I_Z$ ( $\Omega$ )	$I_R @ V_R$ ( $\mu A$ )	$V_R$ (V)	
		min. (V)	max. (V)	min. (V)	max. (V)	min. (V)	max. (V)	$I_{ZT}$ (mA)				

#### 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