

## Features

- Transient protection for data lines to **IEC 61000-4-2(ESD) 15KV(air), 8KV(contact)**
- Small package for use in portable equipment.
- 6.8V Low Capacitance Zener Diode

## Applications

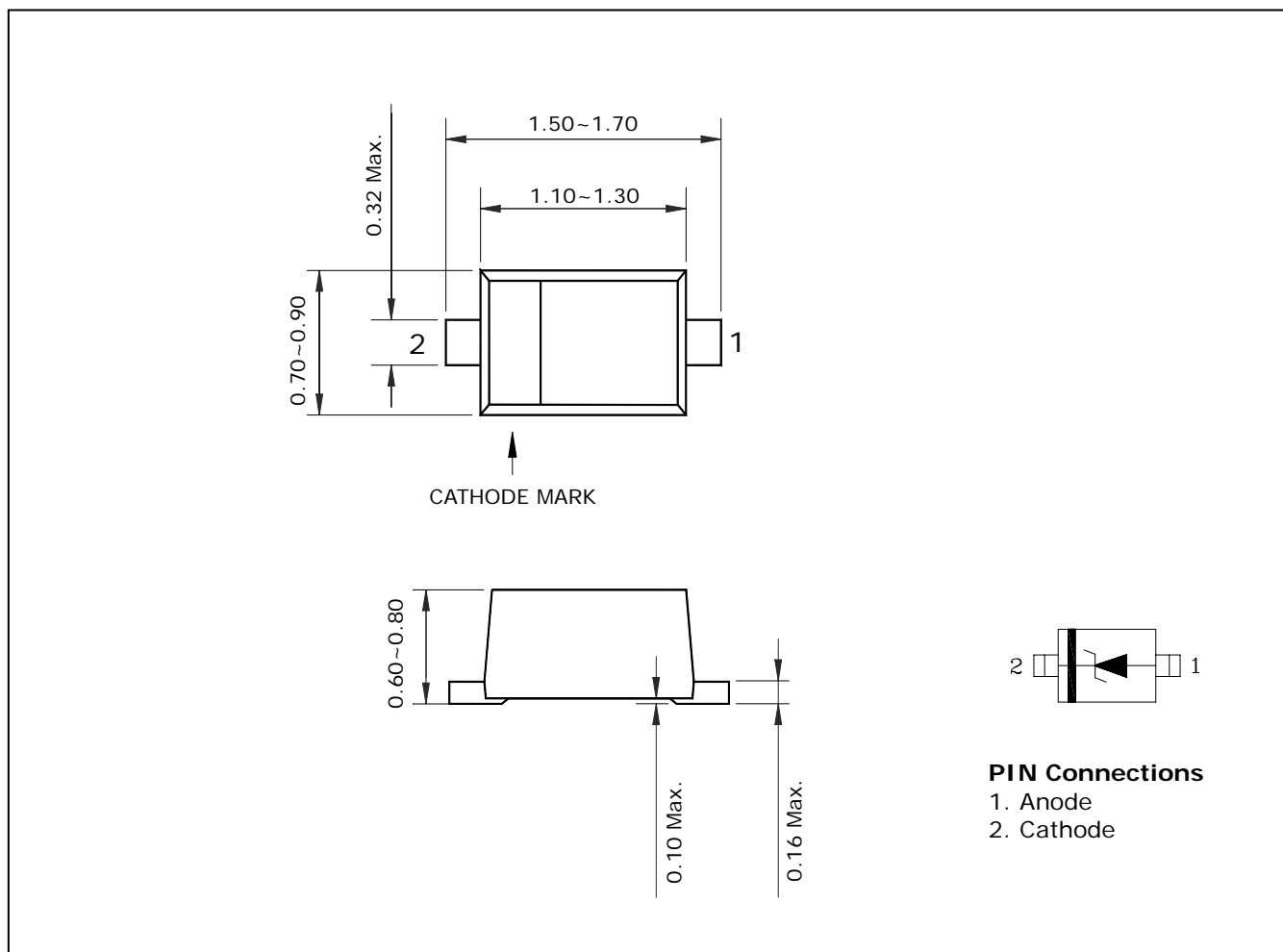
- ESD Protection

## Ordering Information

Type NO.	Marking	Package Code
SDZ6V8AQ	T6	SOD-523

## Outline Dimensions

unit : mm



## Absolute Maximum Ratings

(Ta=25°C)

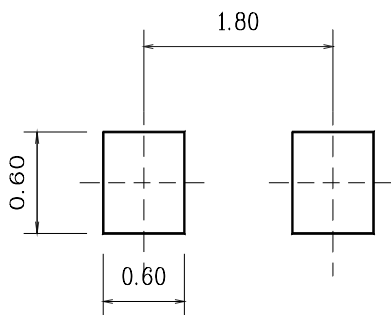
Characteristic	Symbol	Rating	Unit
Power dissipation	$P_D$	120	mW
Junction temperature	$T_J$	150	°C
Storage temperature range	$T_{stg}$	-55 ~ +150	°C

## Electrical Characteristics

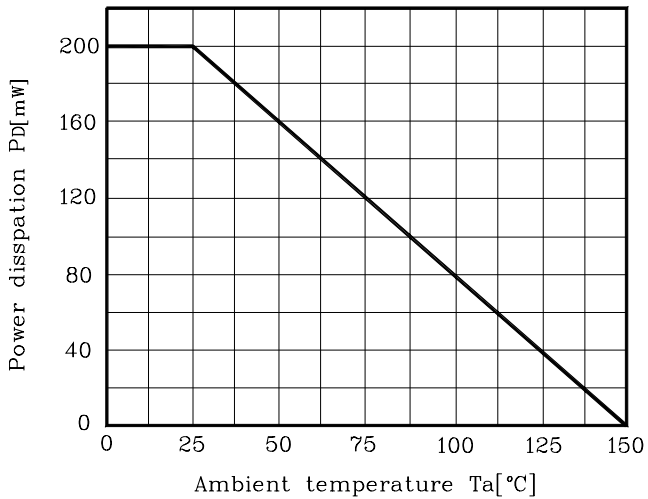
(Ta=25°C)

Characteristic	Symbol	Test Condition	Min.	Typ.	Max.	Unit
Zener voltage	$V_Z$	$I_Z=5mA$	6.2	-	7.1	V
Reverse current	$I_R$	$V_R=3.5V$	-	-	2	$\mu A$
Dynamic impedance	$Z_{ZT}$	$I_Z=5mA$	-	-	30	$\Omega$
Total capacitance	$C_T$	$V_R=0V, f=1MHz$	-	12	-	pF

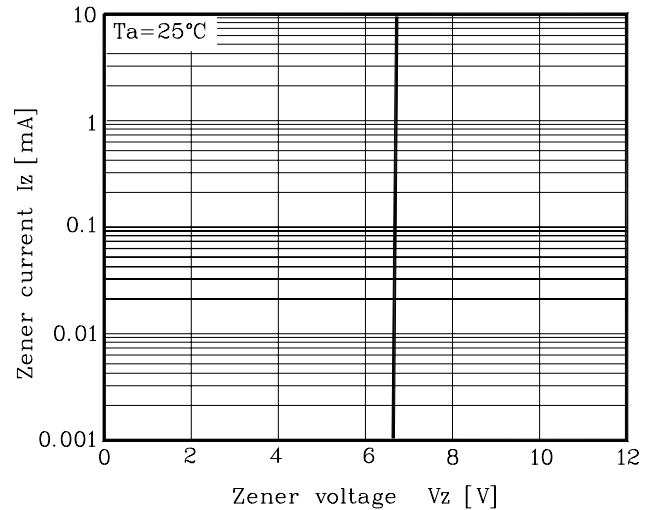
※ Recommend PCB solder land (Unit : mm)



**Fig. 1  $P_D$ - $T_a$**



**Fig. 2  $I_Z$ - $V_Z$**



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