

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

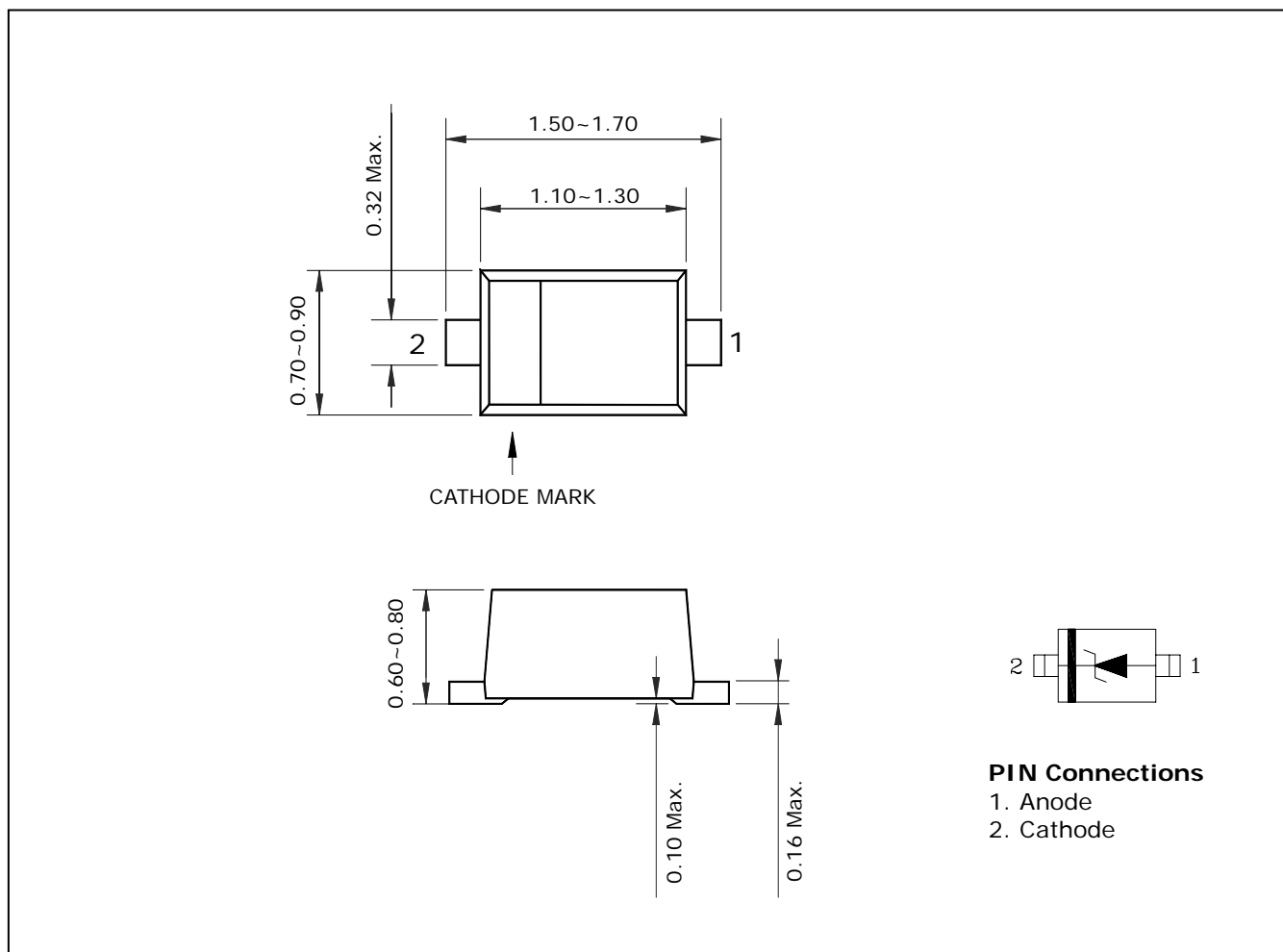
- ESD Protection

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	μA
Dynamic impedance	Z_{ZT}	$I_Z=5mA$	-	-	30	Ω
Total capacitance	C_T	$V_R=0V, f=1MHz$	-	12	-	pF

※ Recommend PCB solder land (Unit : mm)

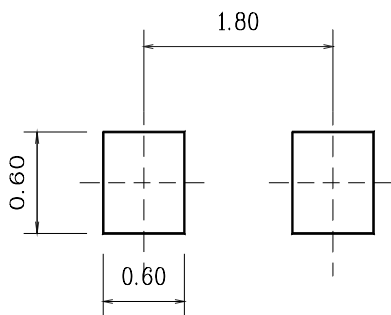


Fig. 1 P_D-T_a

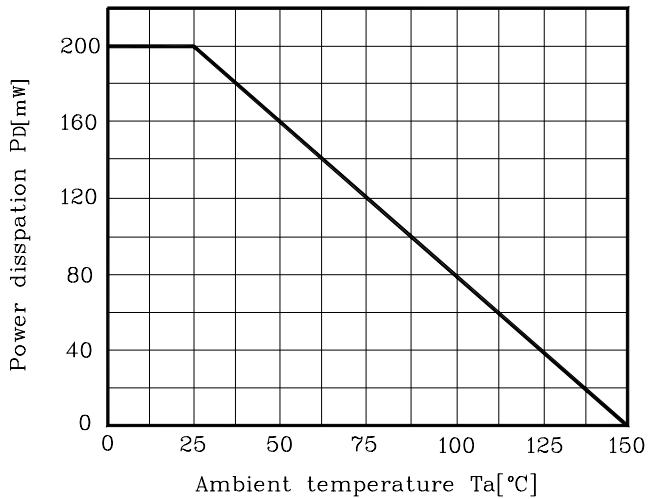
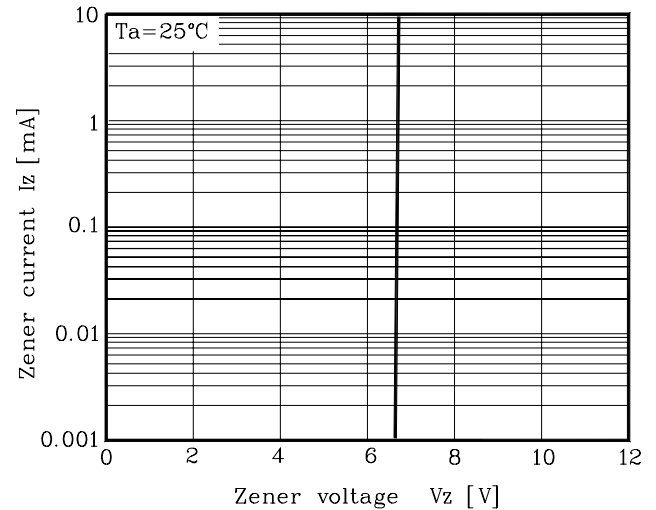


Fig. 2 I_Z-V_Z



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