

Application

- ESD Protection

Features

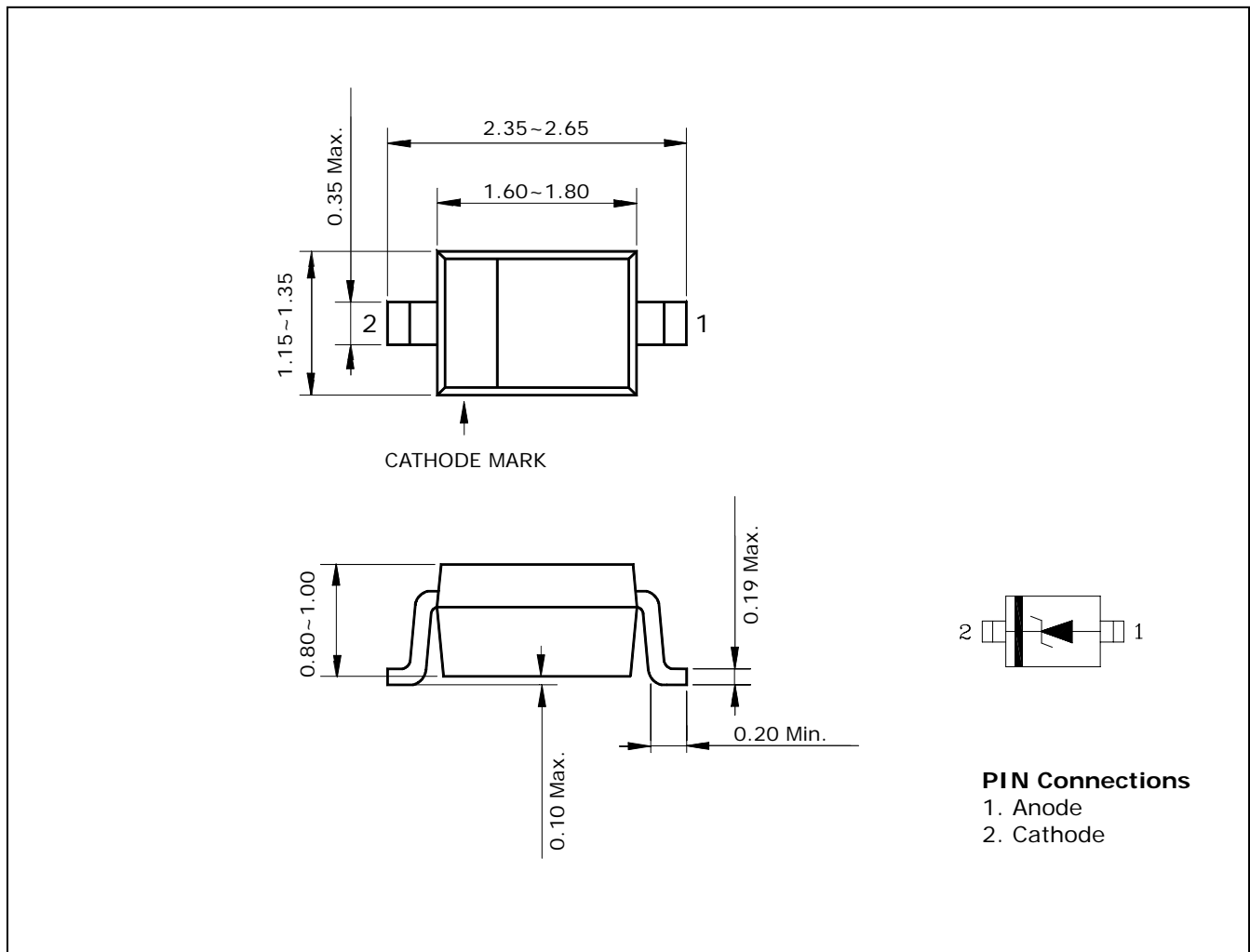
- Transient protection for data lines to IEC 61000-4-2(ESD) 15KV(air), 8KV(contact)
- Small package for use in portable electronics
- Protection one I/O or power line.
- Low leakage current

Ordering Information

Type NO.	Marking	Package Code
SDZ6V2AD	T2	SOD-323

Outline Dimensions

unit : mm



Absolute Maximum Ratings

(Ta=25°C)

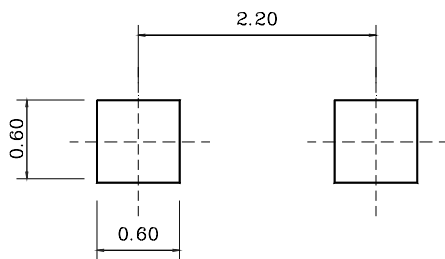
Characteristic	Symbol	Rating	Unit
Power dissipation	P_D	200	mW
Junction temperature	T_J	150	°C
Storage temperature range	T_{STG}	-55 ~ 150	°C

Electrical Characteristics

(Ta=25°C)

Characteristic	Symbol	Test Condition	Min.	Typ.	Max.	Unit
Zener voltage	V_Z	$I_Z=5mA$	5.7	-	6.7	V
Reverse current	I_R	$V_R=3V$	-	-	2	μA
Total capacitance	C_T	$V_R=0V, f=1MHz$		20		pF

※ Recommend PCB solder land (Unit : mm)



Electrical Characteristic Curves

Fig. 1 P_D - T_a

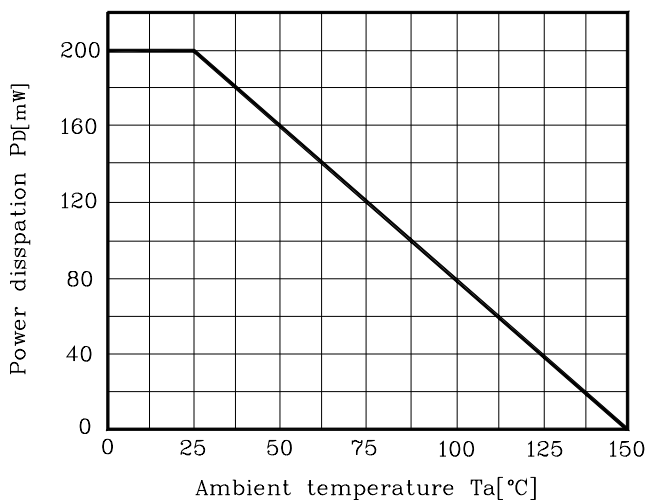


Fig. 2 I_Z - V_Z

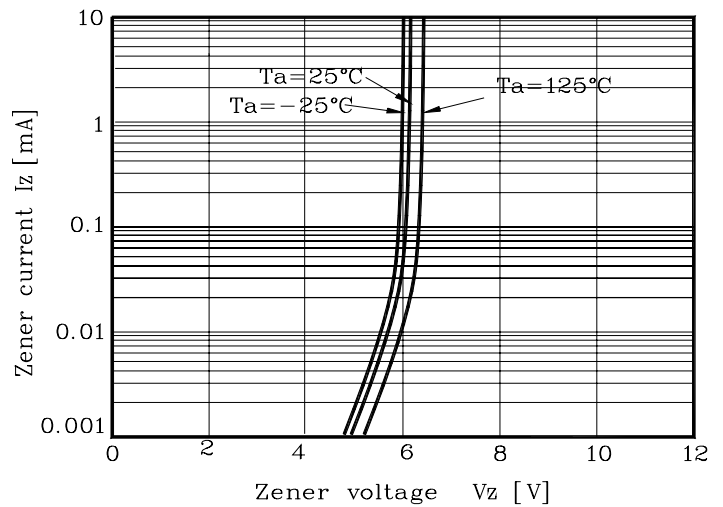
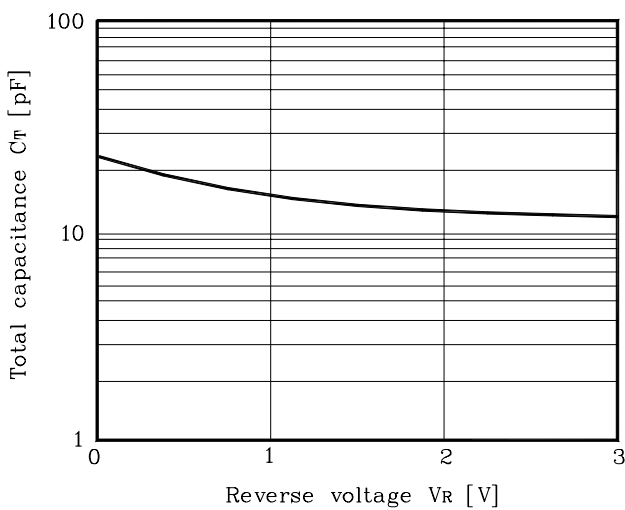


Fig. 3 C_T - V_R



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