

Applications

- Constant voltage regulation
- Reference voltage application

Features

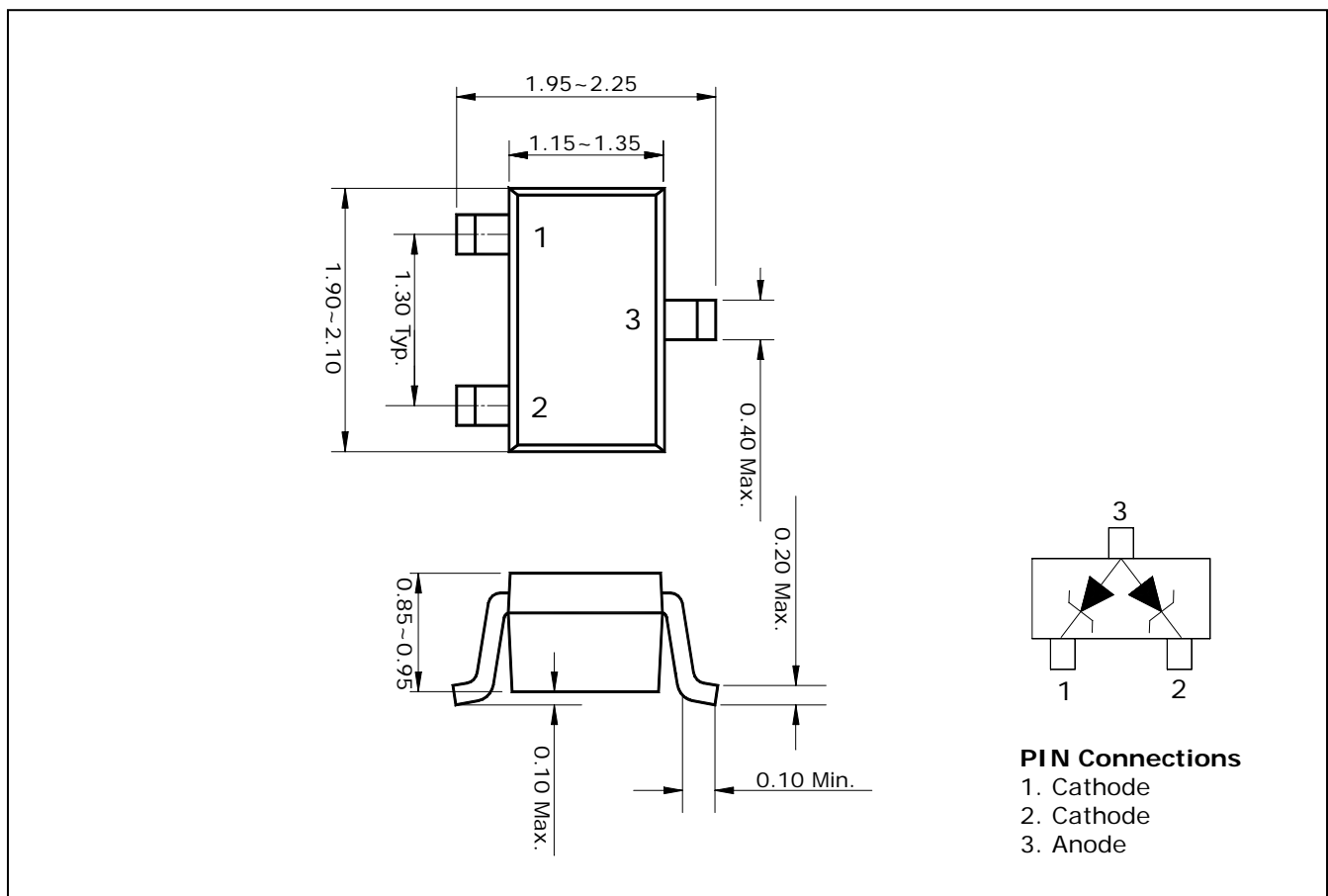
- Dual chip in one package
- Small and compact SMD package used: SOT-323
- Zener voltage: $V_z=6.8V$ Typ

Ordering Information

Type NO.	Marking	Package Code
SDZ6V8WAU	T5	SOT-323

Outline Dimensions

unit : mm



Absolute Maximum Ratings

(Ta=25°C)

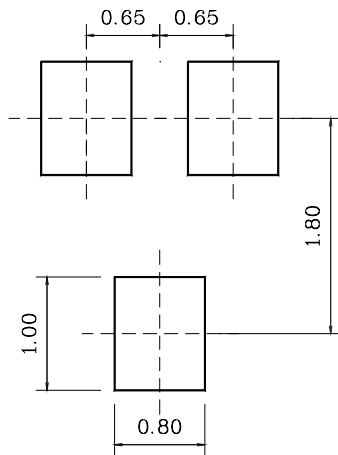
Characteristic	Symbol	Rating	Unit
Power dissipation	P_D	200	mW
Junction temperature	T_J	150	°C
Storage temperature range	T_{STG}	-55 ~ 150	°C

Electrical Characteristics

(Ta=25°C)

Characteristic	Symbol	Test Condition	Min.	Typ.	Max.	Unit
Zener voltage	V_Z	$I_Z=5mA$	6.50	-	7.10	V
Dynamic impedance	Z_{ZT}	$I_Z=5mA$	-	-	8	Ω
KNEE dynamic impedance	Z_{ZK}	$I_Z=0.25mA$	-	-	750	Ω
Reverse current	I_R	$V_R=5.2V$	-	-	1	μA

※ Recommend PCB solder land (Unit : mm)



Electrical Characteristic Curves

Fig. 1 P_D - T_a

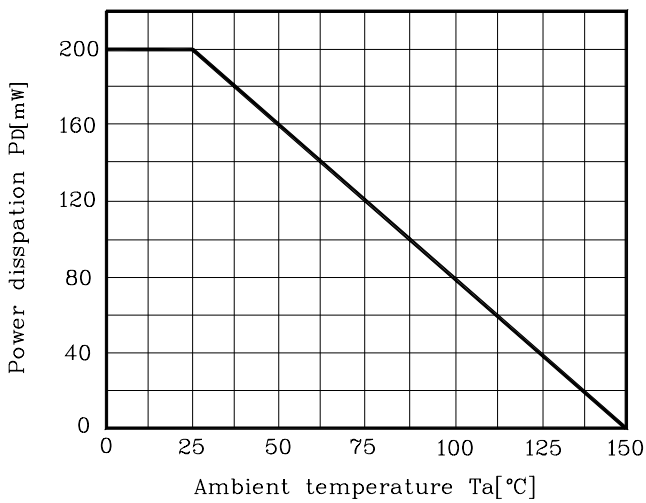


Fig. 2 I_Z - V_Z

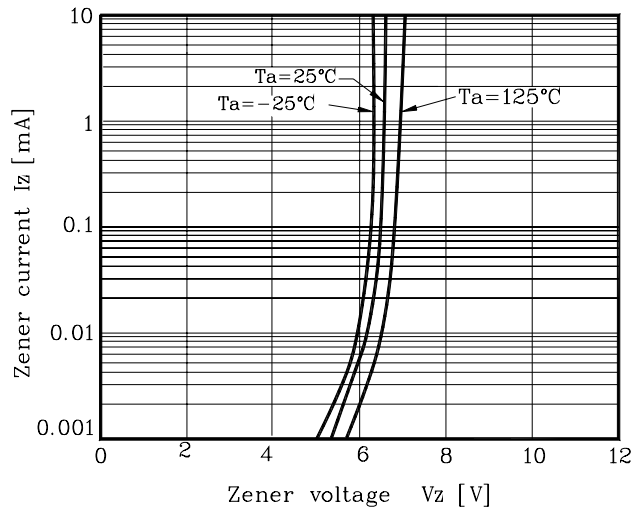
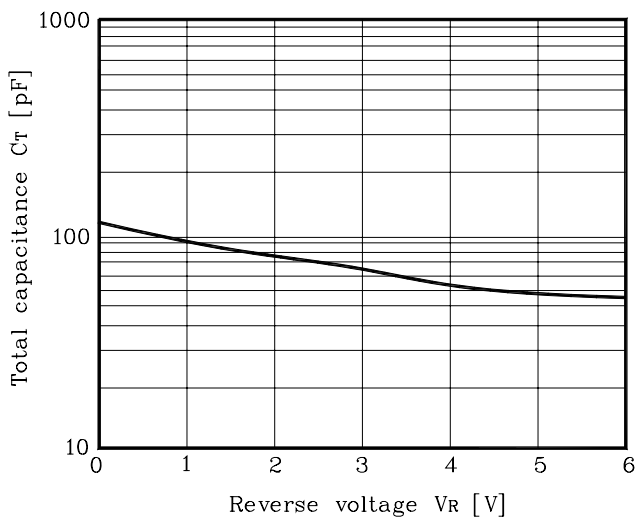


Fig. 3 C_T - V_R



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