

**SDZ6V8WAU**

Zener Diode

Applications

- Constant voltage regulation
- Reference voltage application

Features

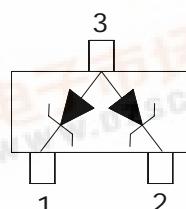
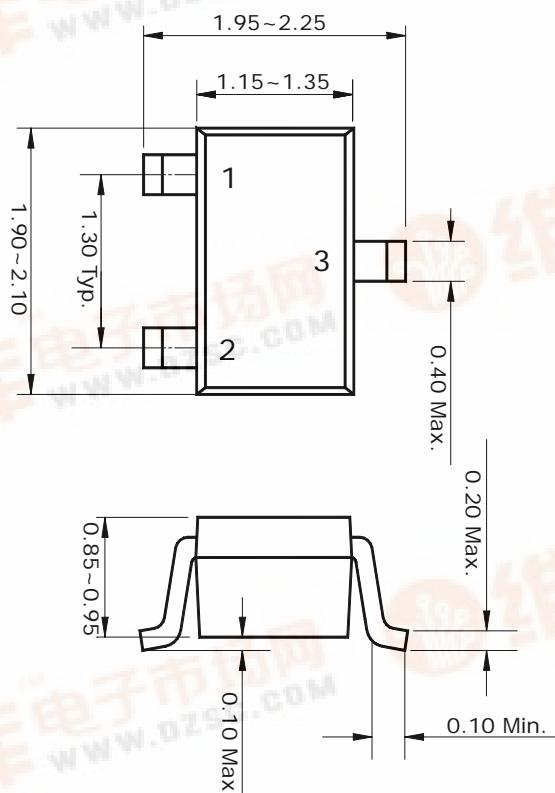
- Dual chip in one package
- Small and compact SMD package used: SOT-323
- Zener voltage: $V_z=6.8V$ Typ

Ordering Information

Type NO.	Marking	Package Code
SDZ6V8WAU	T5	SOT-323

Outline Dimensions

unit : mm

**PIN Connections**

1. Cathode
2. Cathode
3. Anode

SDZ6V8WAU

Absolute Maximum Ratings

(Ta=25°C)

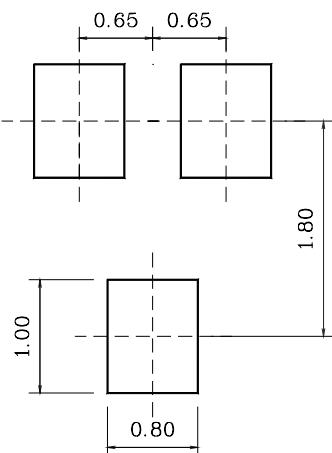
Characteristic	Symbol	Rating	Unit
Power dissipation	P _D	200	mW
Junction temperature	T _J	150	°C
Storage temperature range	T _{STG}	-55~150	°C

Electrical Characteristics

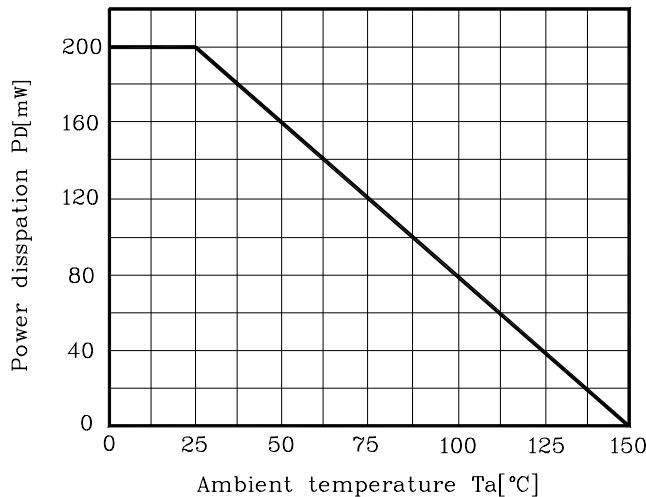
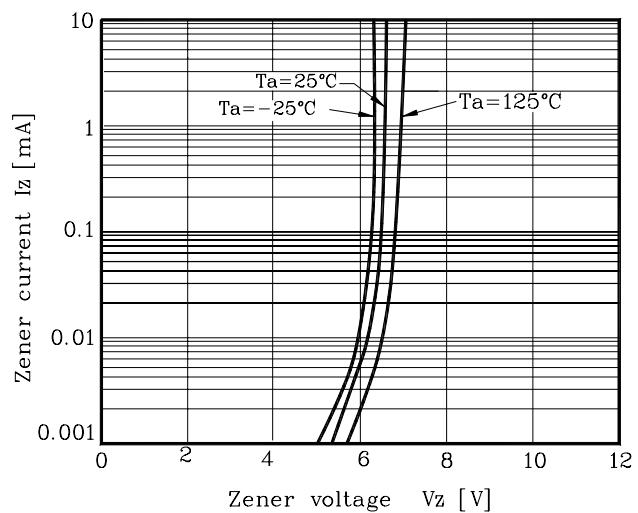
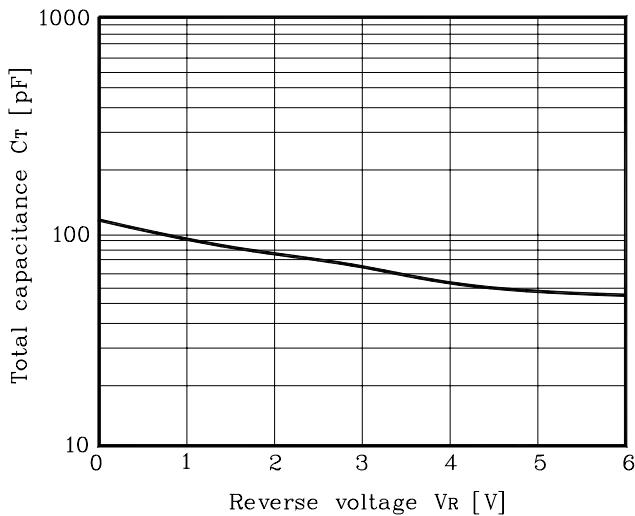
(Ta=25°C)

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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