

Applicatons

- Constant voltage regulation
- Reference voltage application

Features

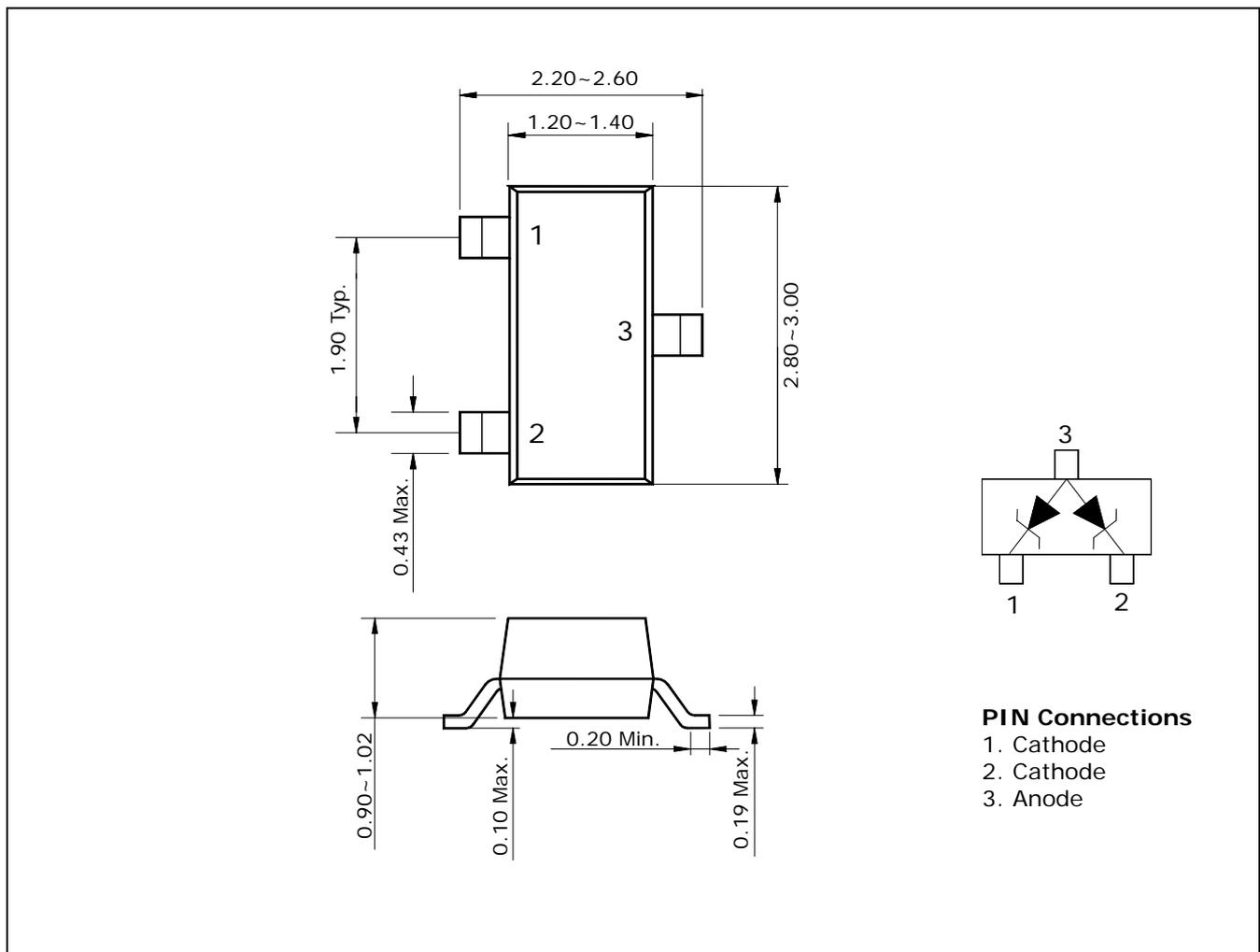
- Dual chip in one package
- Small and compact SMD package used: SOT-23
- Zener voltage: $V_Z=15V$ Typ

Ordering Information

Type NO.	Marking	Package Code
SDZ15VWA	W7	SOT-23

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

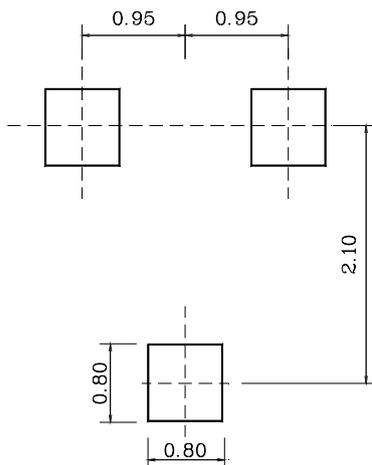
※ Device mounted on glass epoxy PCB (recommanderable minimum solder land)

Electrical Characteristics

(Ta=25°C)

Characteristic	Symbol	Test Condition	Min.	Typ.	Max.	Unit
Zener voltage	V_Z	$I_Z=5mA$	14.33	-	15.67	V
Dynamic impedance	Z_{ZT}	$I_Z=5mA$	-	-	32	Ω
KNEE dynamic impedance	Z_{ZK}	$I_Z=0.25mA$	-	-	600	Ω
Reverse current	I_R	$V_R=11V$	-	-	0.1	μA

※ Recommend PCB solder land (Unit : mm)



Electrical Characteristic Curves

Fig. 1 P_D-T_a

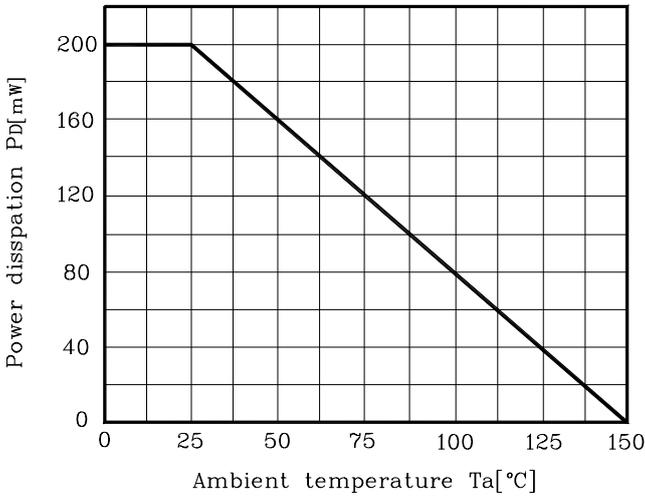


Fig. 2 I_Z-V_Z

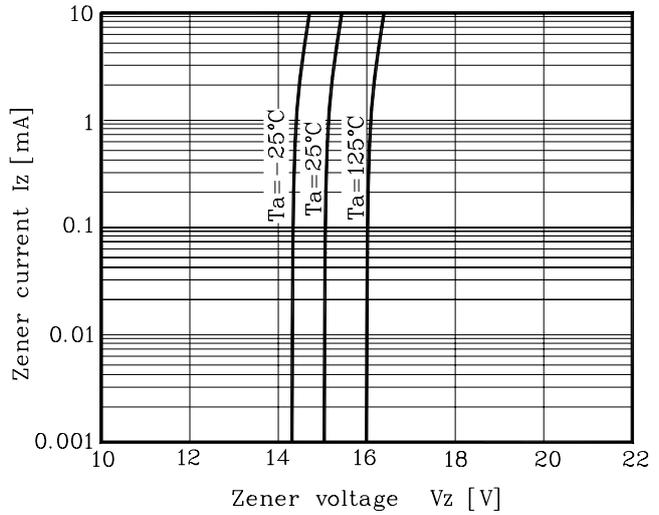
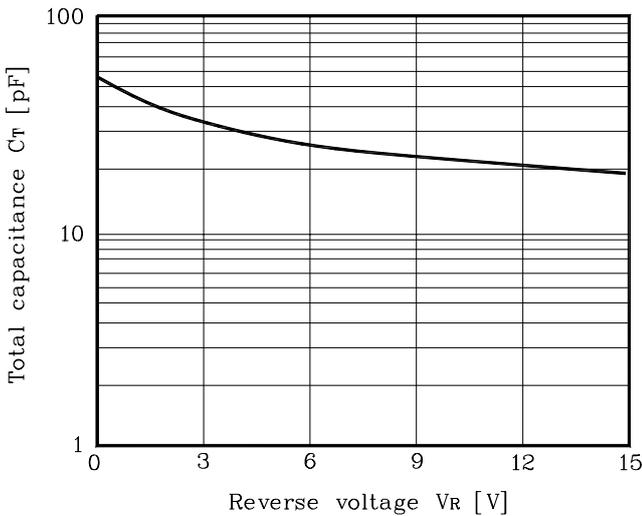


Fig. 3 C_T-V_R



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