



# SDZ15VWA

Zener Diode

## Applications

- Constant voltage regulation
- Reference voltage application

## Features

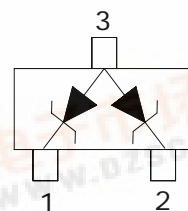
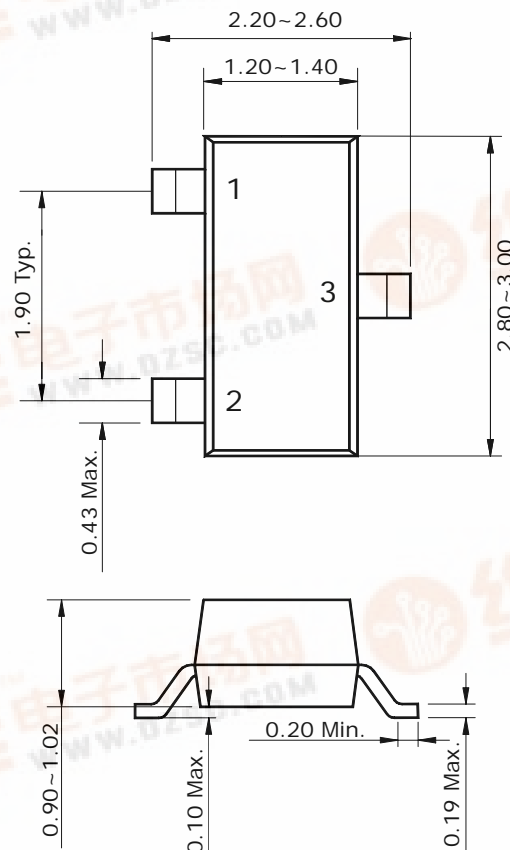
- Dual chip in one package
- Small and compact SMD package used: SOT-23
- Zener voltage:  $V_Z=15V$  Typ

## Ordering Information

Type NO.	Marking	Package Code
SDZ15VWA	W7	SOT-23

## Outline Dimensions

unit : mm



### PIN Connections

1. Cathode
2. Cathode
3. Anode

# SDZ15VWA

## 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

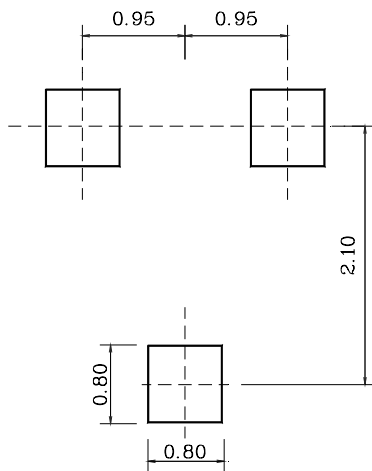
※ Device mounted on glass epoxy PCB (recommanderable minimum solder land)

## 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	$\Omega$
KNEE dynamic impedance	$Z_{ZK}$	$I_Z=0.25mA$	-	-	600	$\Omega$
Reverse current	$I_R$	$V_R=11V$	-	-	0.1	$\mu A$

※ Recommend PCB solder land (Unit : mm)



## Electrical Characteristic Curves

Fig. 1  $P_D-T_a$

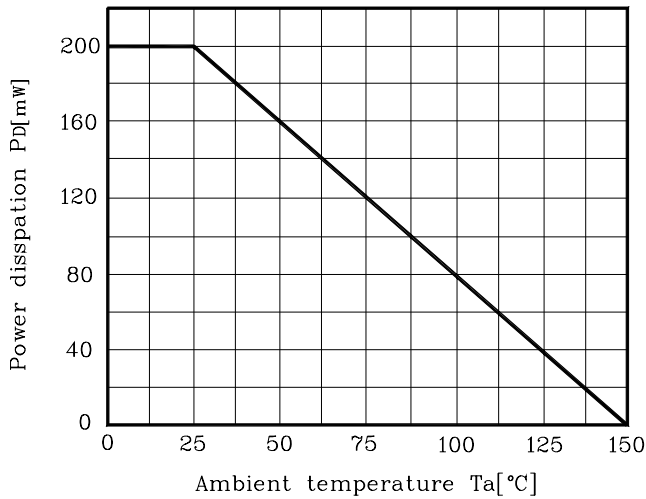


Fig. 2  $I_Z-V_Z$

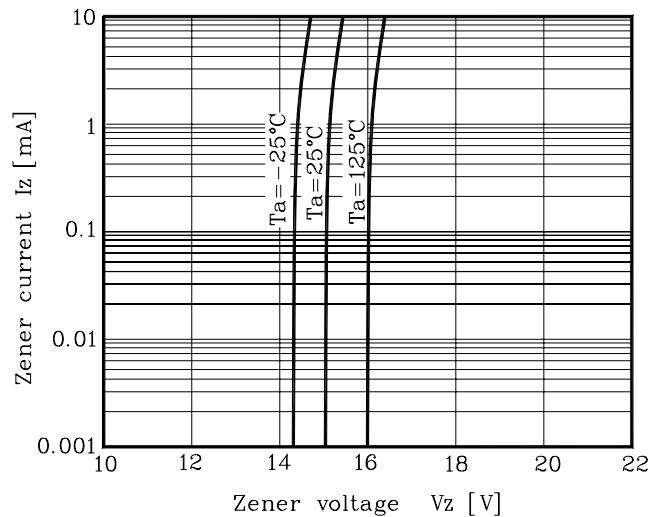
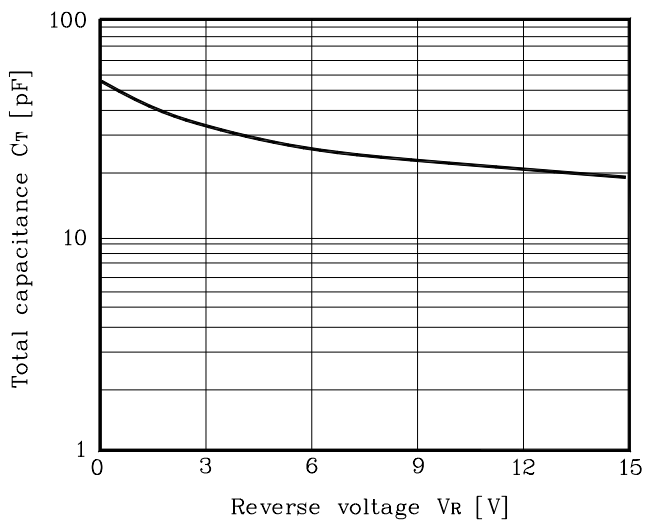


Fig. 3  $C_T-V_R$



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