

**Features**

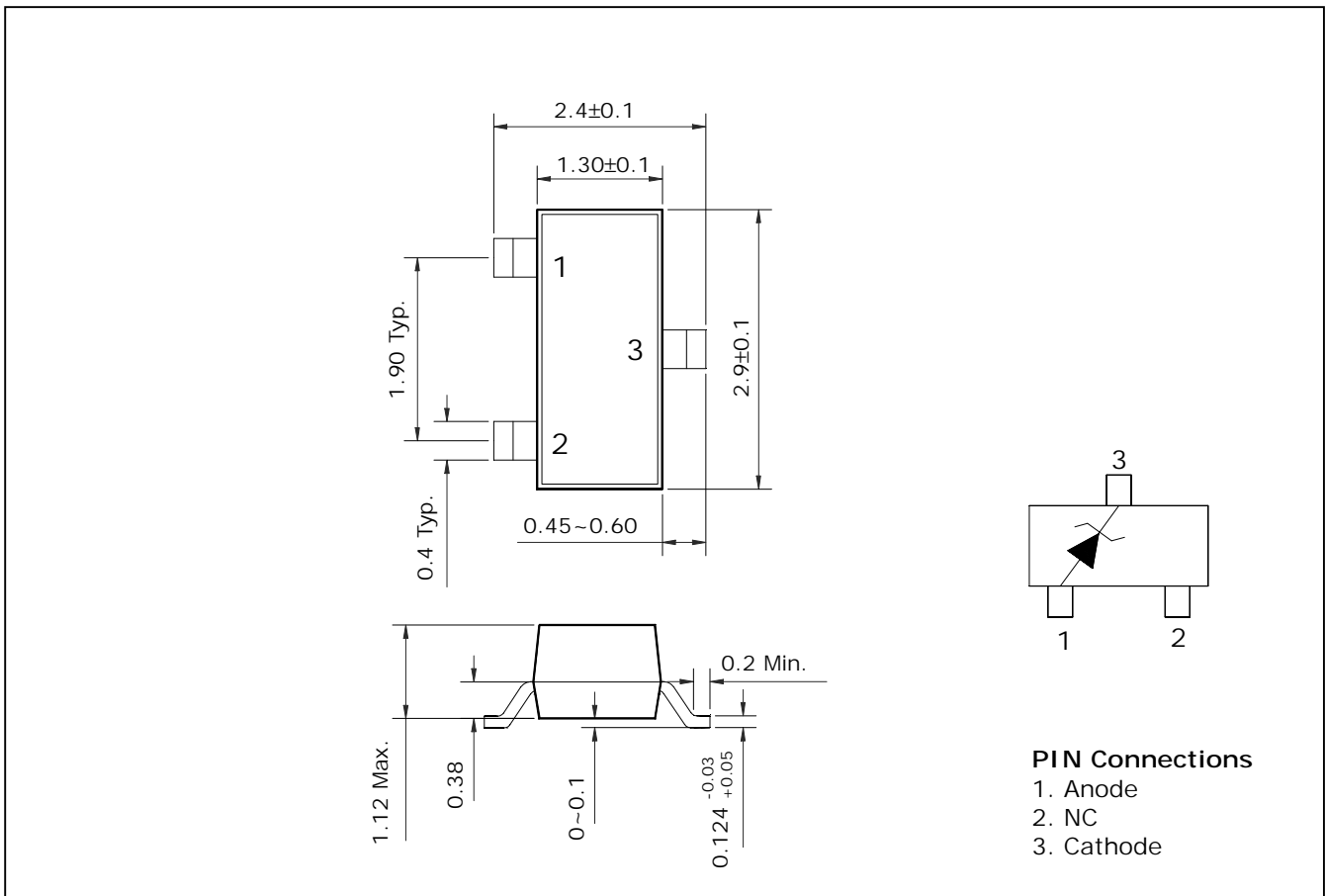
- Compact type
- Radiation size 1.3mm × 2.9mm
- Surface mount lead configuration

**Ordering Information**

Type NO.	Marking	Package Code
SDZ6V8	Z5	SOT-23

**Outline Dimensions**

unit : mm



**Absolute maximum ratings**

(Ta=25°C)

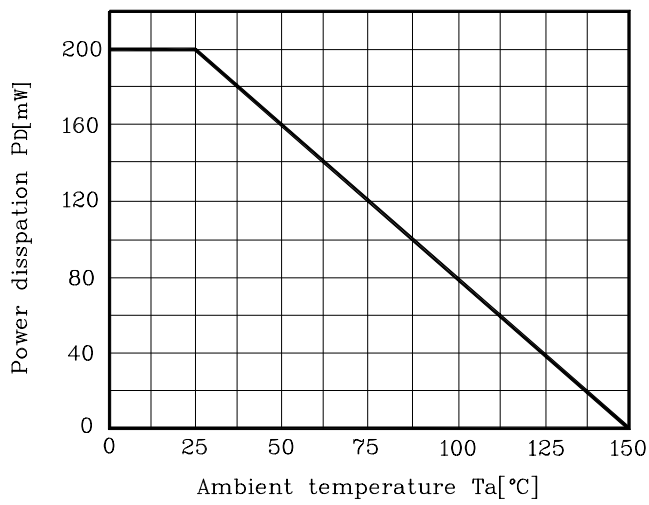
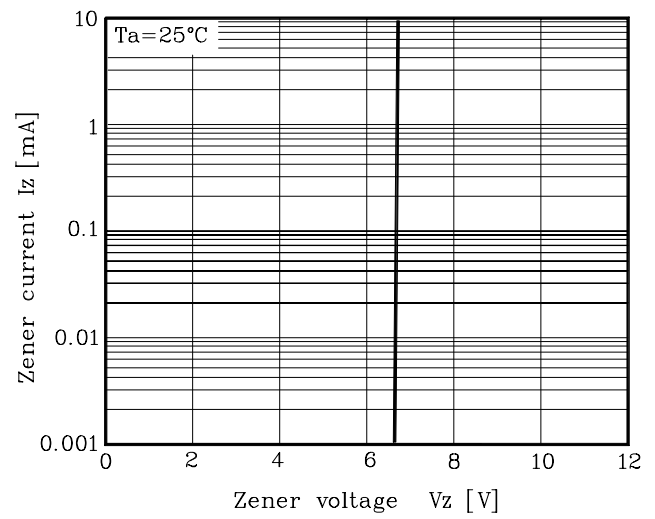
Characteristic	Symbol	Ratings	Unit
Power dissipation	$P_D$	200	mW
Junction temperature	$T_j$	150	°C
Storage temperature	$T_{stg}$	-55 ~ 150	°C

**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	$\Omega$
KNEE dynamic impedance	$Z_{ZK}$	$I_Z=0.25mA$	-	-	750	$\Omega$
Reverse current	$I_R$	$V_R=5.2V$	-	-	1	$\mu A$

## Electrical Characteristic Curves

Fig. 1  $P_D$ - $T_a$ Fig. 2  $I_Z$ - $V_Z$ 

v