



SDZ6V8

Zener Diode

Features

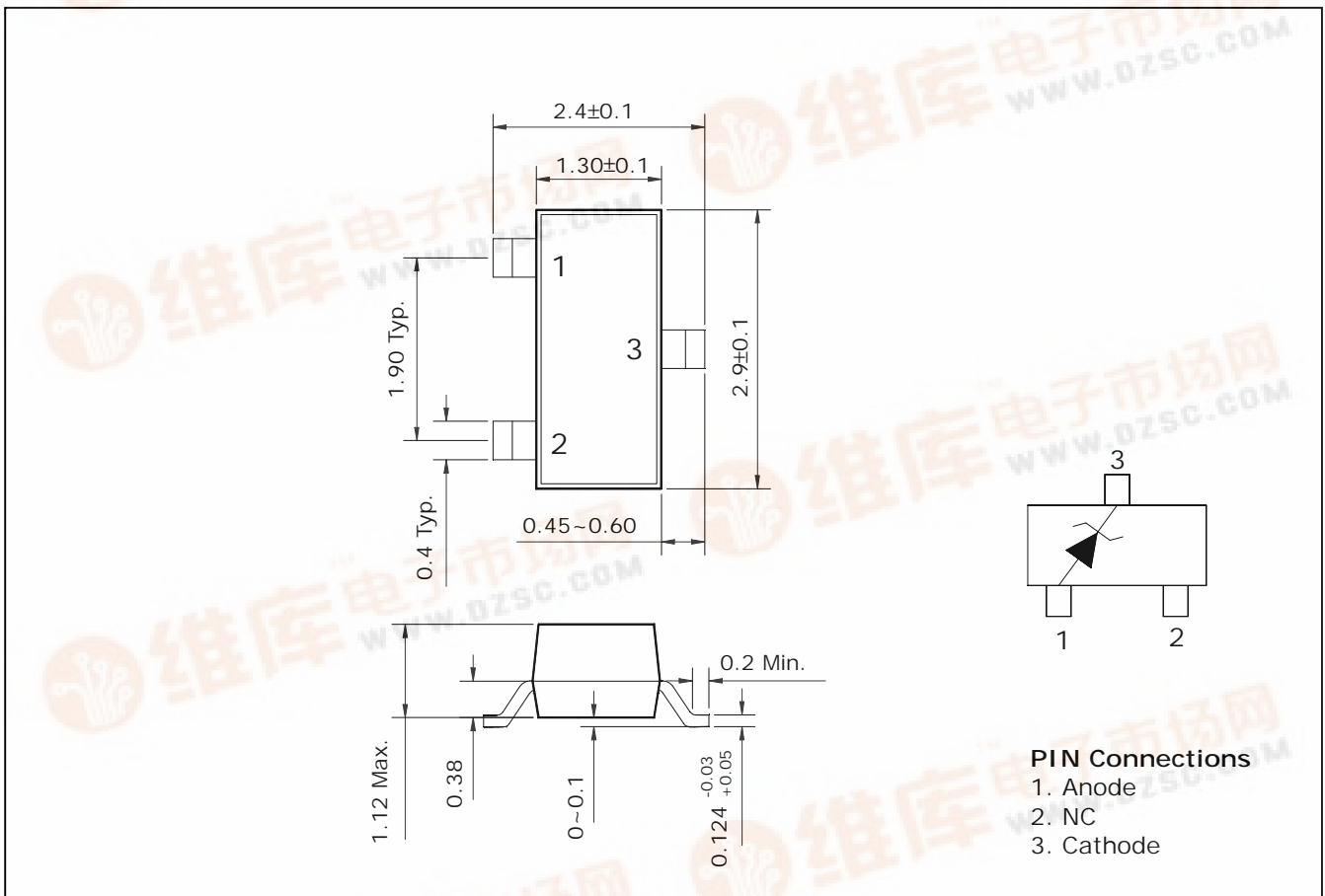
- Compact type
- Radiation size 1.3mm × 2.9mm
- Surface mount lead configuration

Ordering Information

Type NO.	Marking	Package Code
SDZ6V8	Z5	SOT-23

Outline Dimensions

unit : mm



SDZ6V8

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	Ω
KNEE dynamic impedance	Z_{ZK}	$I_Z=0.25mA$	-	-	750	Ω
Reverse current	I_R	$V_R=5.2V$	-	-	1	μA

Electrical Characteristic Curves

Fig. 1 P_D - T_a

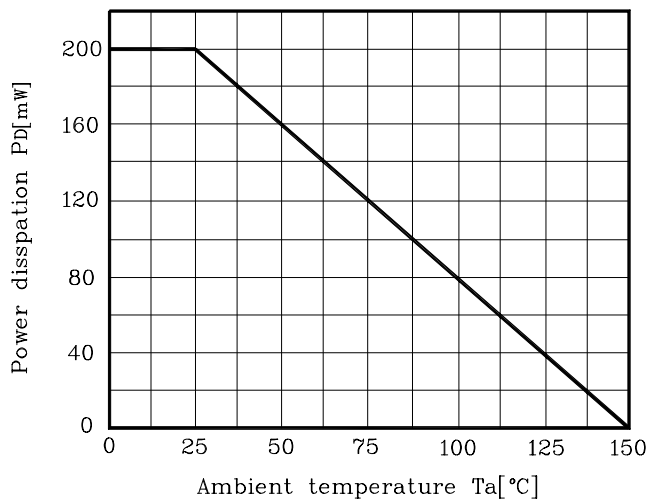
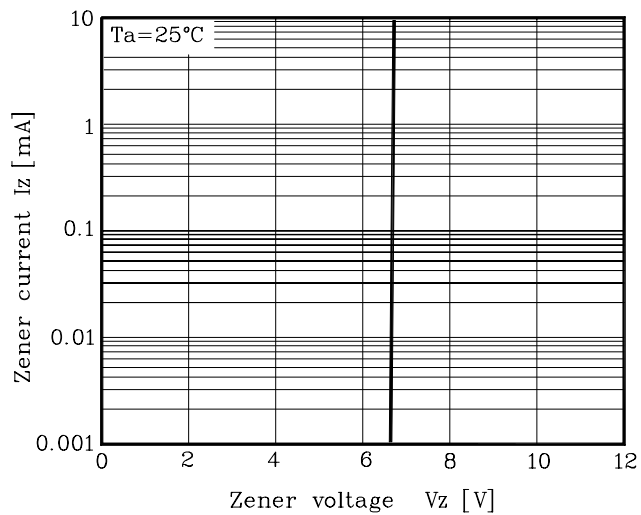


Fig. 2 I_Z - V_Z



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