AUK Semiconductor

SDZ5V1

Zener Diode

Features

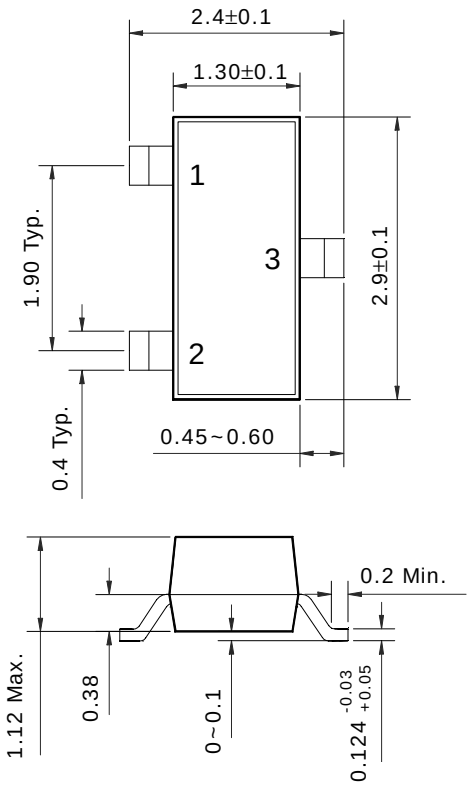
- Compact type
- Radiation size 1.3mm × 2.9mm
- Surface mount lead configuration

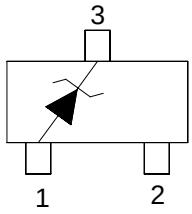
Ordering Information

Type NO.	Marking	Package Code
SDZ5V1	Z2	SOT-23

Outline Dimensions

unit : mm





PIN Connections
1. Anode
2. NC
3. Cathode

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	4.88	-	5.32	V
Dynamic impedance	Z_{ZT}	I_Z=5mA	-	-	50	Ω
KNEE dynamic impedance	Z_{ZK}	I_Z=0.25mA	-	-	2050	Ω
Reverse current	I_R	V_R=2V	-	-	2	μA

Electrical Characteristic Curves

Fig. 1 P_D-T_a

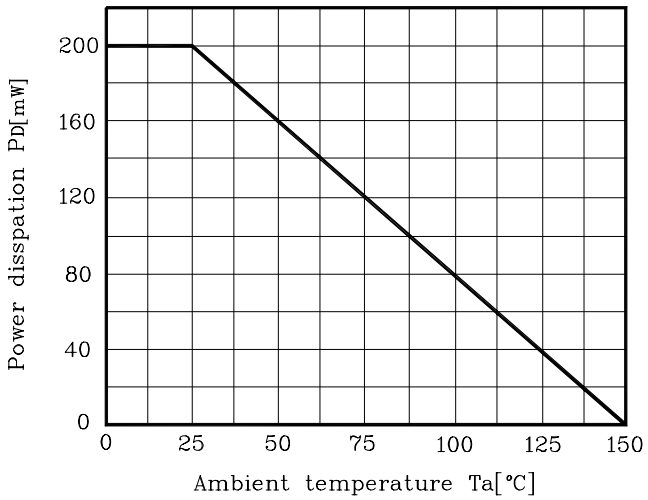


Fig. 2 I_Z-V_Z

