

Applications

- Constant voltage regulation
- Reference voltage application

Features

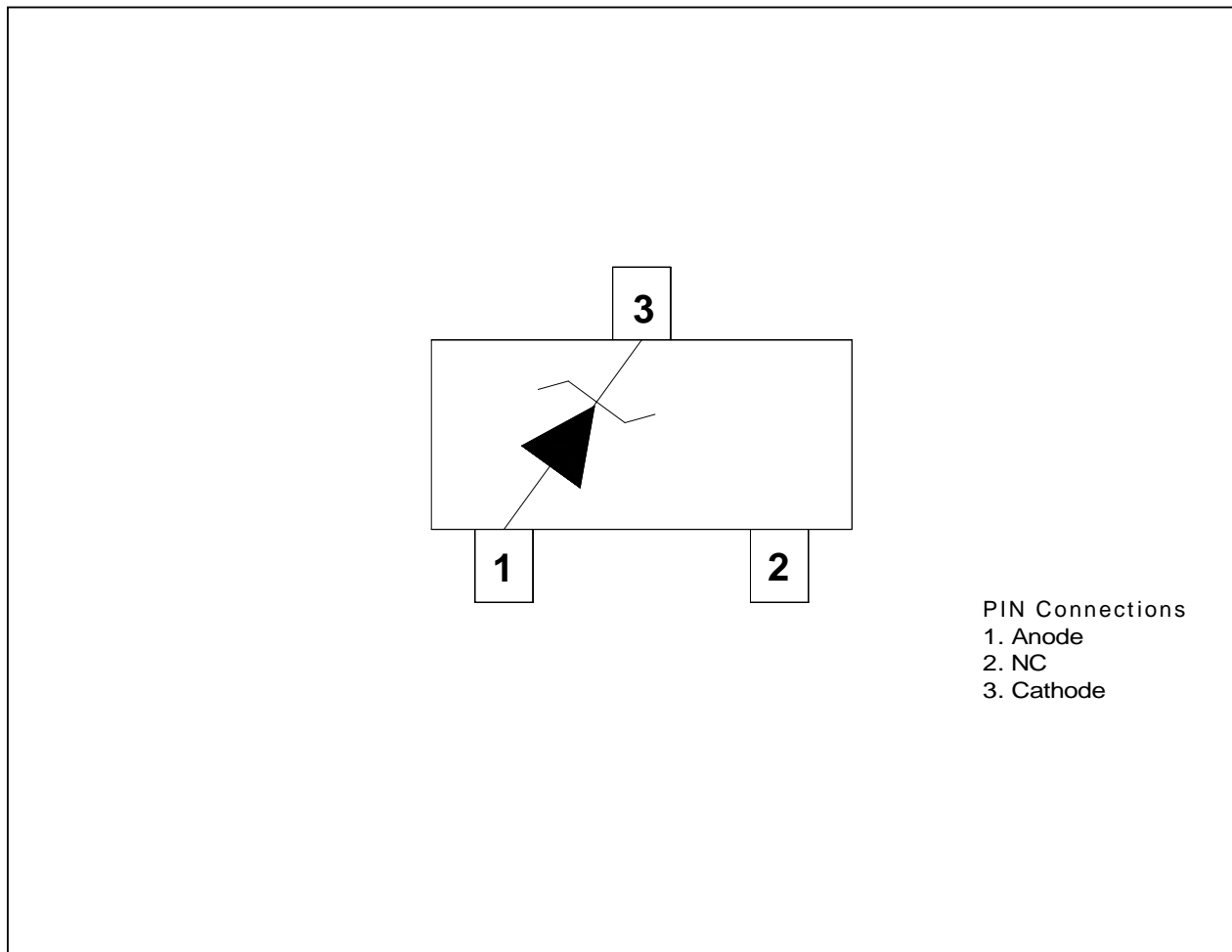
- Small and compact SMD package used: SOT-23
- Surface mount lead configuration

Ordering Information

Type NO.	Marking	Package Code
SDZ24V	Y9 □ ① ②	SOT-23

① Device Code ② Year&Week Code

PIN Connections



SDZ24V

Absolute maximum ratings

(Ta=25°C)

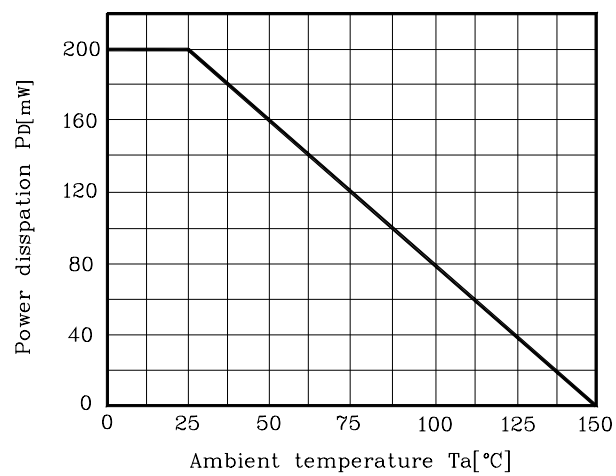
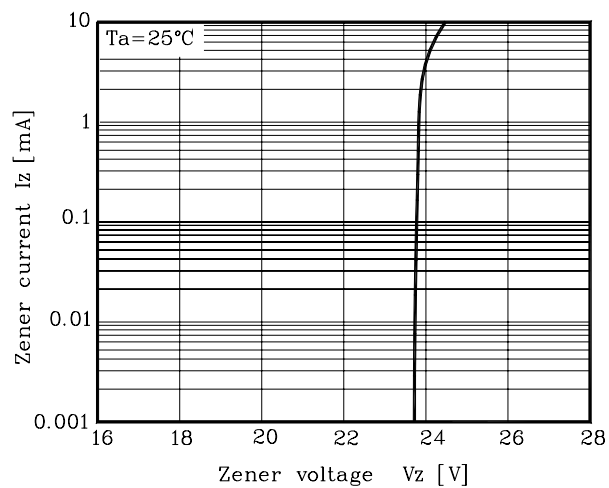
Characteristic	Symbol	Ratings	Unit
Power dissipation	P_D	200	mW
Junction temperature	T_j	150	°C
Storage temperature	T_{stg}	-55~150	°C

Electrical Characteristics

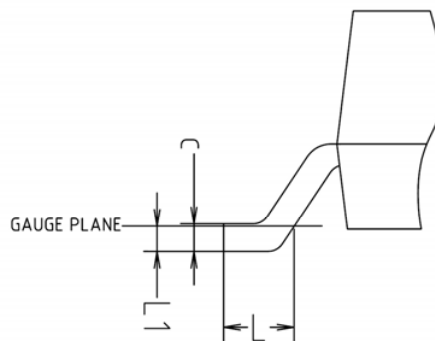
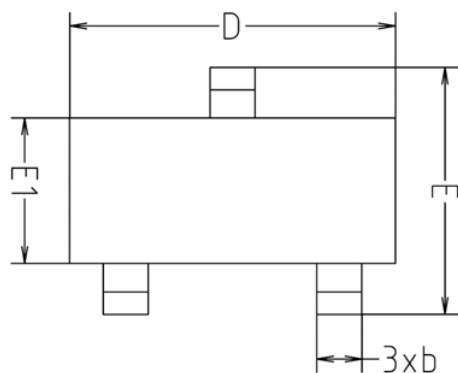
(Ta=25°C)

Characteristic	Symbol	Test Condition	Min.	Typ.	Max.	Unit
Zener voltage	V_Z	$I_Z=5mA$	22.92	-	25.08	V
Dynamic impedance	Z_{ZT}	$I_Z=5mA$	-	-	62	Ω
KNEE dynamic impedance	Z_{ZK}	$I_Z=0.25mA$	-	-	600	Ω
Reverse current	I_R	$V_R=18V$	-	-	0.1	μA

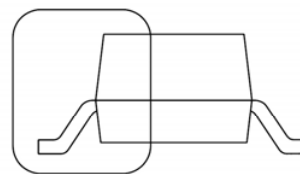
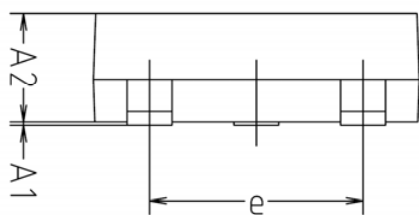
Electrical Characteristic Curves

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

Outline Dimension



DETAIL 'A'



SEE DETAIL 'A'

SYMBOL	MILLIMETERS			NOTE
	MINIMUM	NOMINAL	MAXIMUM	
A1	0.00	-	0.10	
A2	0.82	-	1.02	
b	0.39	0.42	0.45	
c	0.09	0.12	0.15	
D	2.80	2.90	3.00	
E	2.20	2.40	2.60	
E1	1.20	1.30	1.40	
e	1.90BSC			
L	0.20	-	-	
L1	0.12BSC			

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