



SDZ5V1Q

Zener Diode

Features

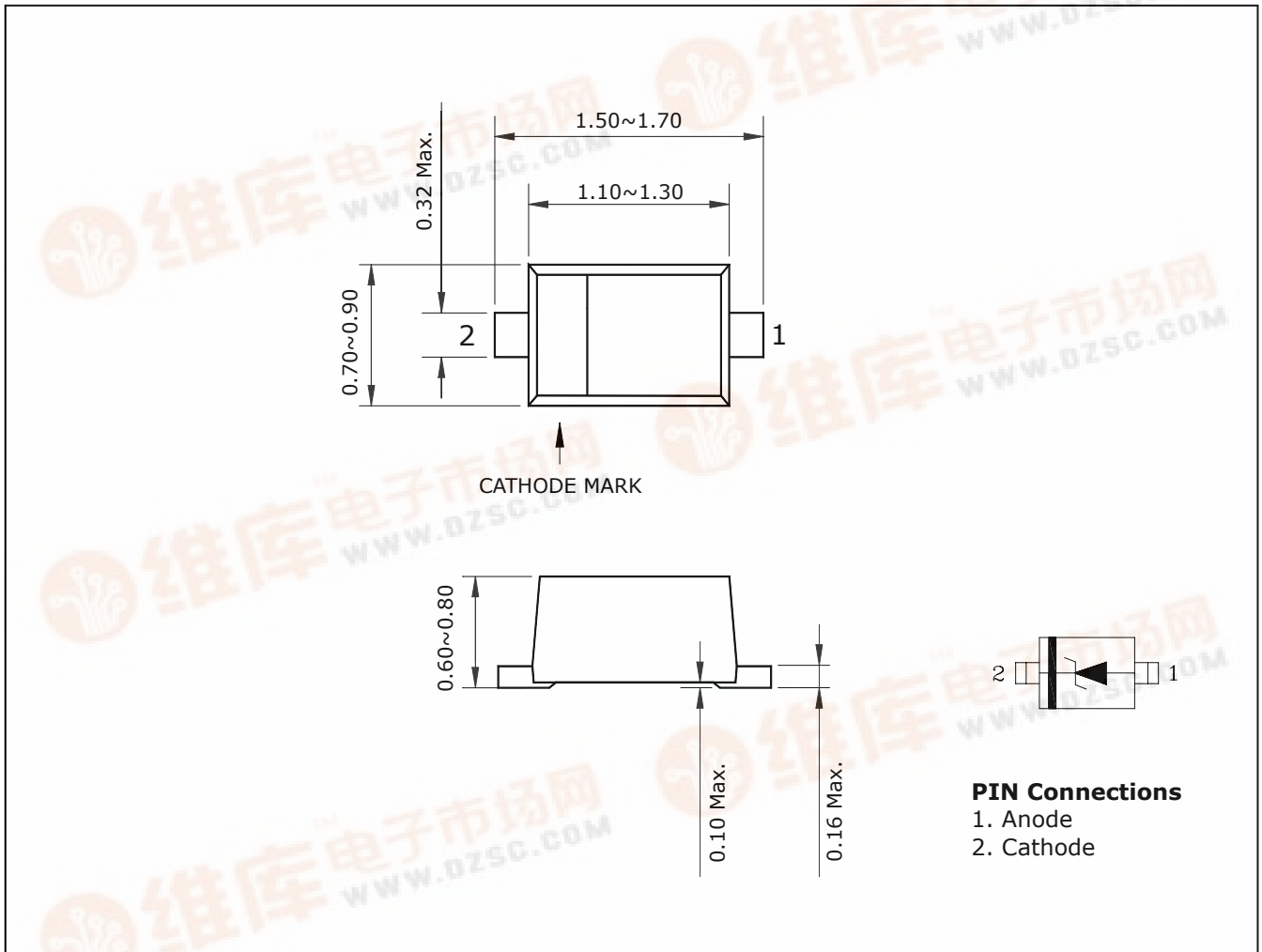
- Compact type
- Radiation size 1.25mm × 1.7mm
- Surface mount lead configuration

Ordering Information

Type NO.	Marking	Package Code
SDZ5V1Q	Z2	SOD-523

Outline Dimensions

unit : mm



SDZ5V1Q

Absolute Maximum Ratings

(Ta=25°C)

Characteristic	Symbol	Ratings	Unit
Power dissipation	P_D	150	mW
Junction temperature	T_J	150	°C
Storage temperature range	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}	$I_Z=5mA$	-	-	70	Ω
KNEE dynamic impedance	Z_{ZK}	$I_Z=0.25mA$	-	-	2050	Ω
Reverse current	I_R	$V_R=2V$	-	-	2	μA

Fig. 1 P_D-T_a

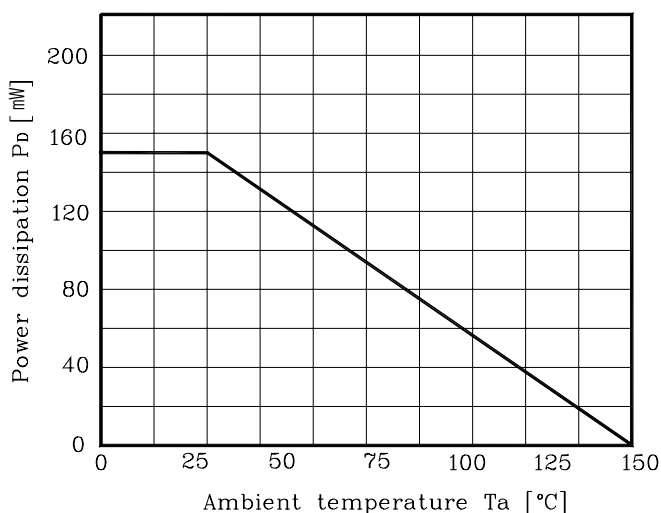
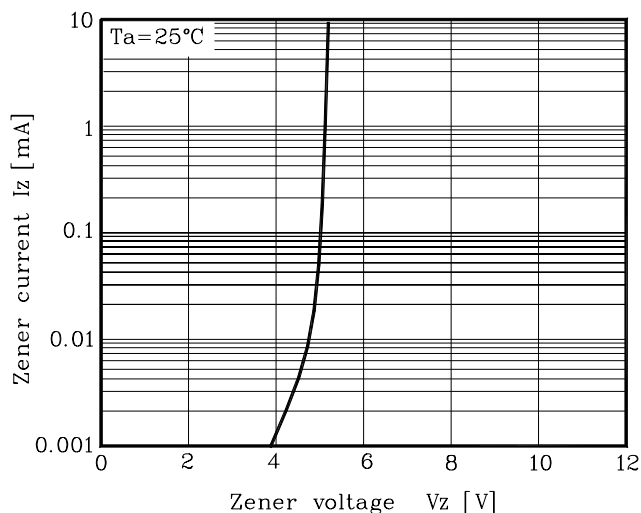


Fig. 2 I_Z-V_Z



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