

Features

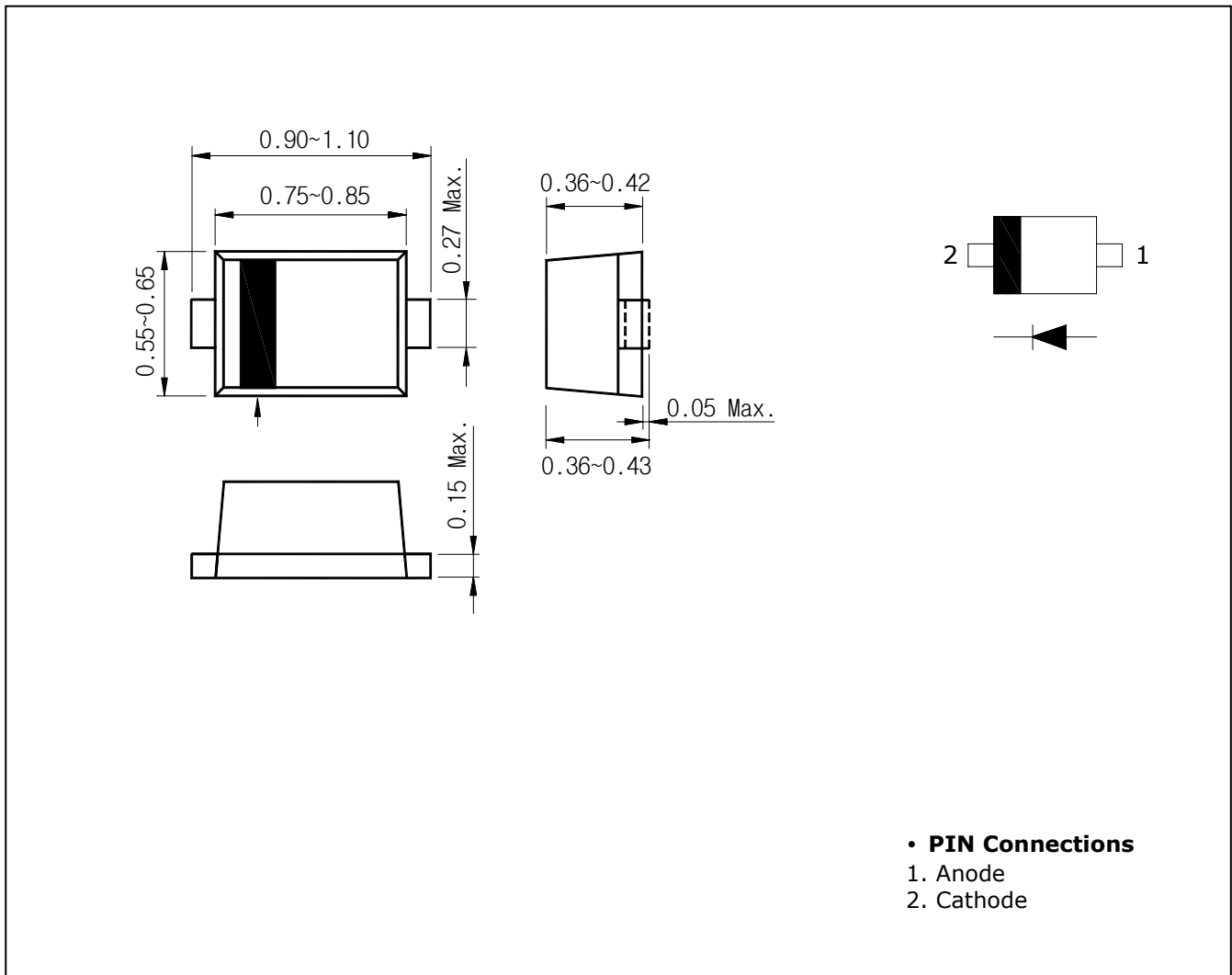
- Extremely small size package: 0.8x0.6x0.4 mm Typ.
- Low reverse current: $I_R = 1 \mu A$ Max. @ $V_R = 30V$
- Low power rectified
- High reliability

Ordering Information

Type No.	Marking	Package Code
ND151	B	SOD-923

Outline Dimensions

unit : mm



Absolute Maximum Ratings

Ta=25°C

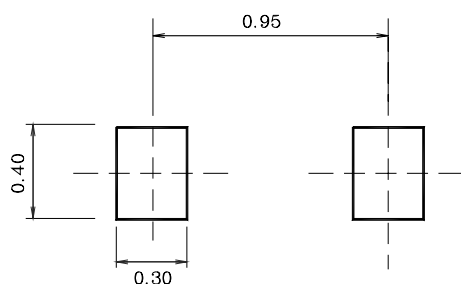
Characteristic	Symbol	Rating	Unit
Reverse voltage	V _R	30	V
Forward current	I _F	50	mA
Non-repetitive peak forward current (60Hz half cycle)	I _{FSM}	2	A
Power dissipation	P _D	50	mW
Junction temperature	T _J	150	°C
Storage temperature range	T _{stg}	-55 ~ 150	°C

Electrical Characteristics

Ta=25°C

Characteristic	Symbol	Test Condition	Min.	Typ.	Max.	Unit
Forward voltage	V _{F(1)}	I _F =10mA	-	-	0.4	V
	V _{F(2)}	I _F =30mA	-	-	0.5	V
Reverse current	I _R	V _R =30V	-	-	1	μA
Total capacitance	C _T	V _R =1V, f=1MHz	-	7.7	-	pF

※ Recommend PCB solder land (Unit : mm)



Electrical Characteristic Curves

Fig. 1 $I_F - V_F$

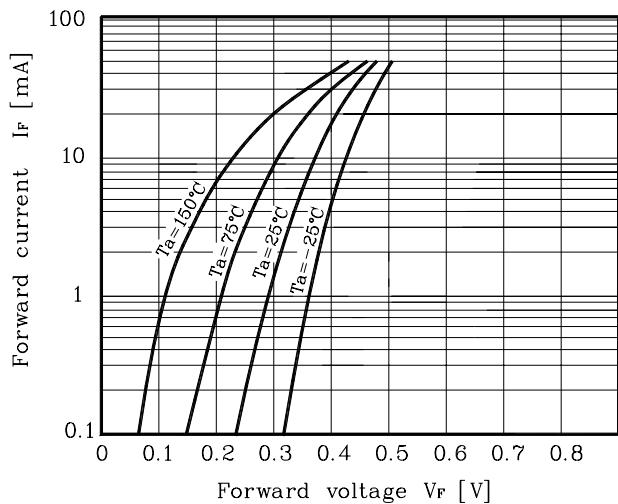


Fig. 2 $I_R - V_R$

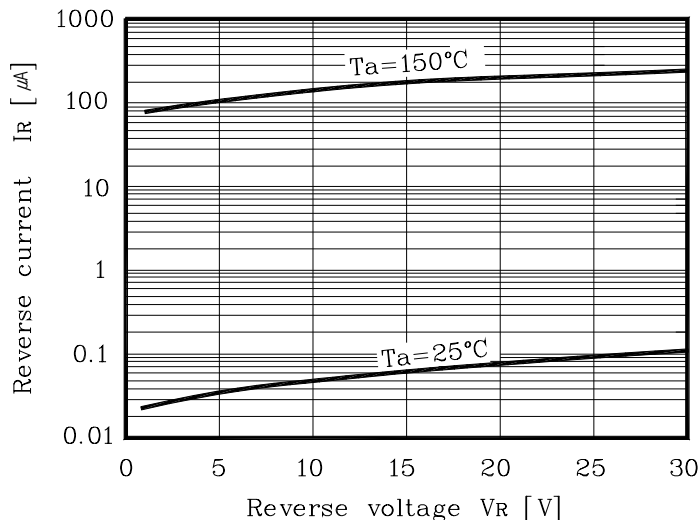
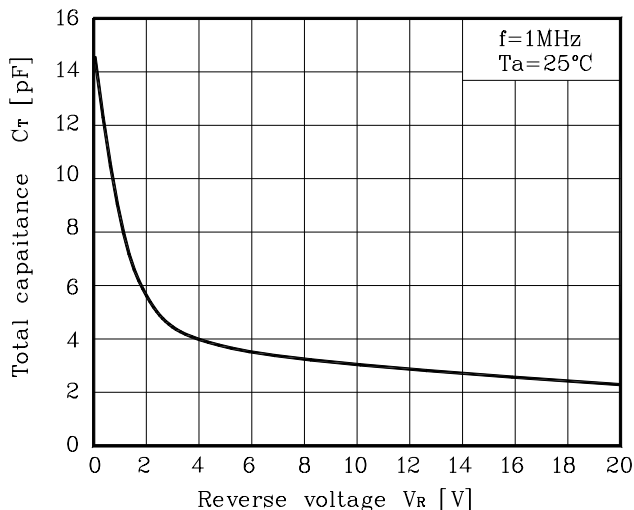


Fig. 3 $C_T - V_R$



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