

## Features

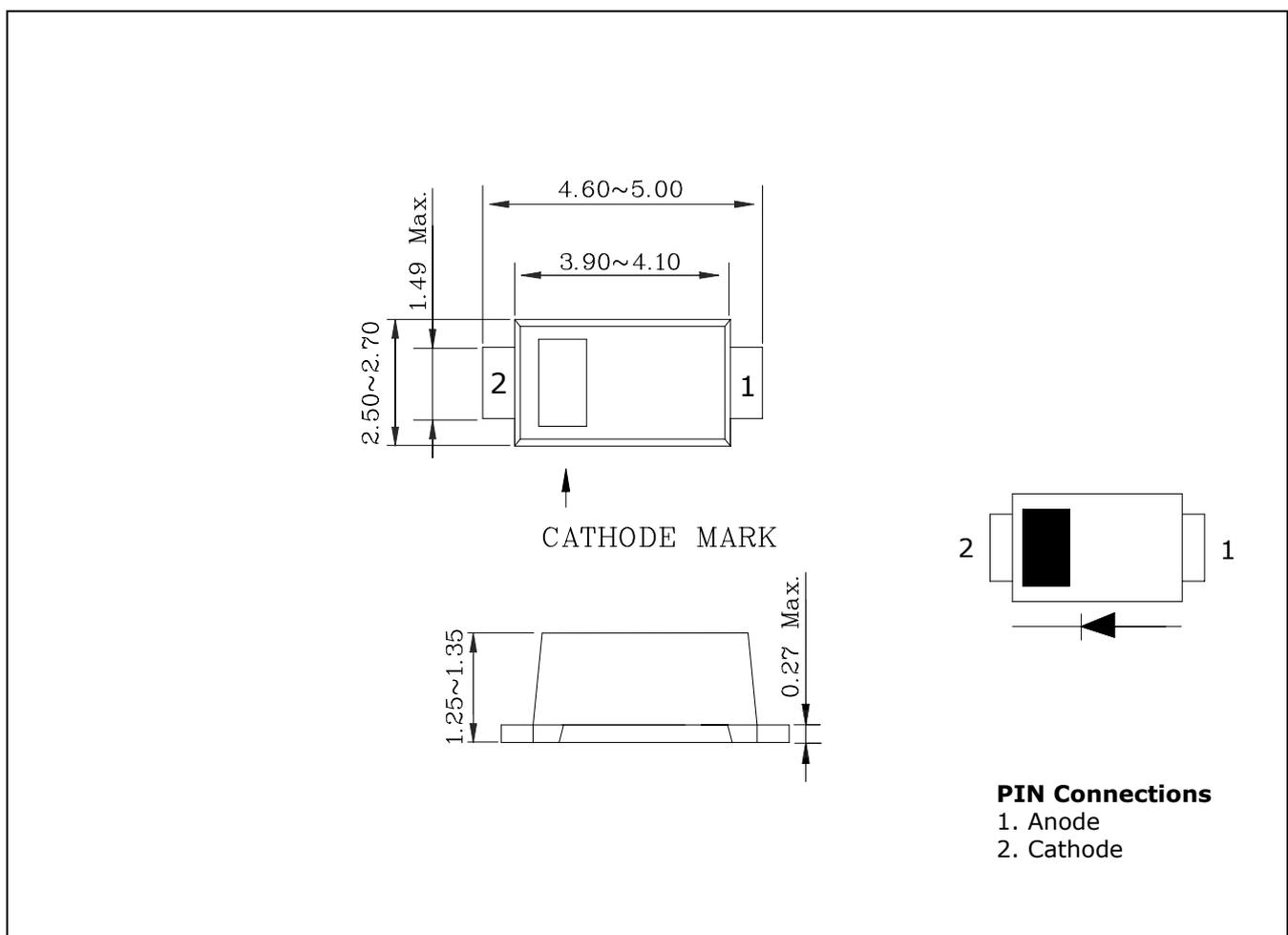
- Low  $V_F$  : Max. 0.45V @  $I_F=1A$
- High speed switching application

## Ordering Information

Type No.	Marking	Package Code
SDB10A20	1A2	SOD-106

## Outline Dimensions

unit : mm



**Absolute maximum ratings**

Ta=25°C

Characteristic	Symbol	Rating	Unit
Peak reverse voltage	$V_{RM}$	25	V
Reverse voltage	$V_R$	20	V
Forward current	$I_F$	1.0	A
Non-repetitive peak forward current *	$I_{FSM}$	3	A
Junction temperature	$T_J$	150	°C
Storage temperature	$T_{stg}$	-55~150	°C

\* 60Hz for 1 **Electrical Characteristics**

Ta=25°C

Characteristic	Symbol	Test Condition	Min.	Typ.	Max.	Unit
Forward voltage	$V_F$	$I_F=1A$	-	-	0.45	V
Reverse current	$I_R$	$V_R=20V$	-	-	200	$\mu A$

Electrical Characteristic Curves

Fig. 1  $I_F$ - $V_F$

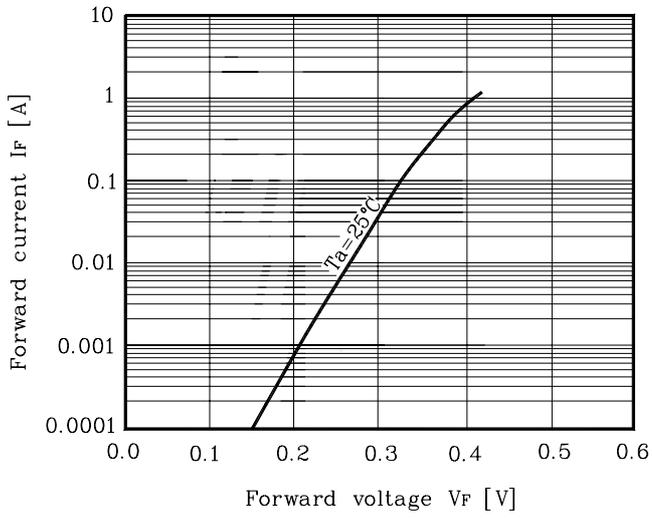
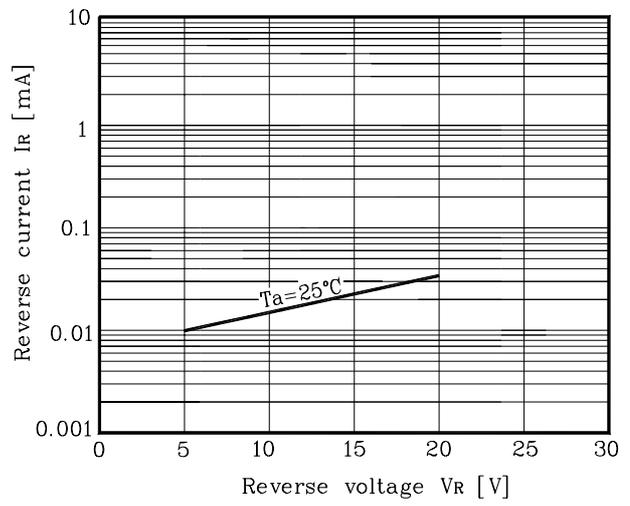


Fig. 2  $I_R$  - $V_R$



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