

Features

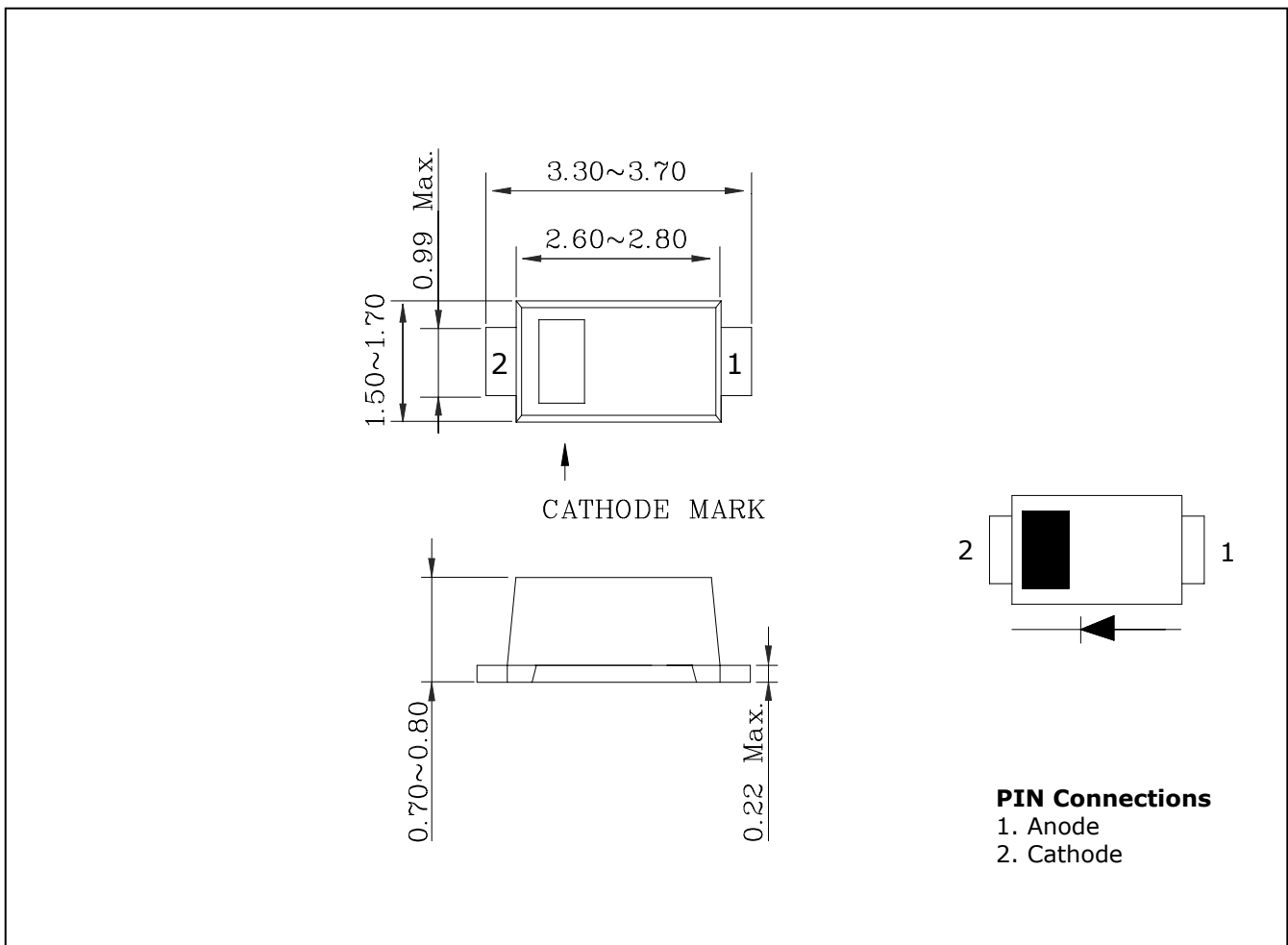
- Low V_F : Max. 0.45V @ $I_F=1A$
- High speed switching application

Ordering Information

Type No.	Marking	Package Code
SDB1020	1A2	SOD-123

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	μA

Electrical Characteristic Curves

Fig. 1 $I_F - V_F$

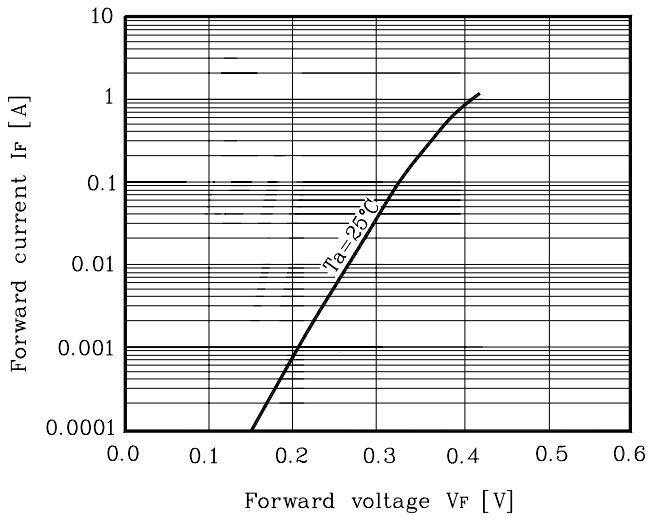
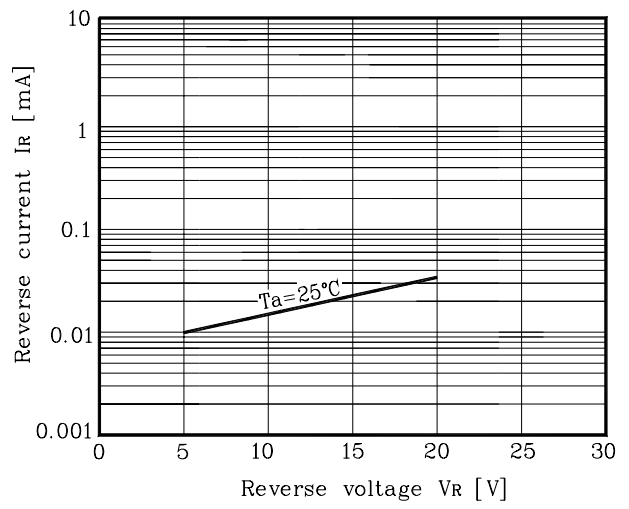


Fig. 2 $I_R - V_R$



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