

Features

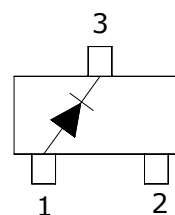
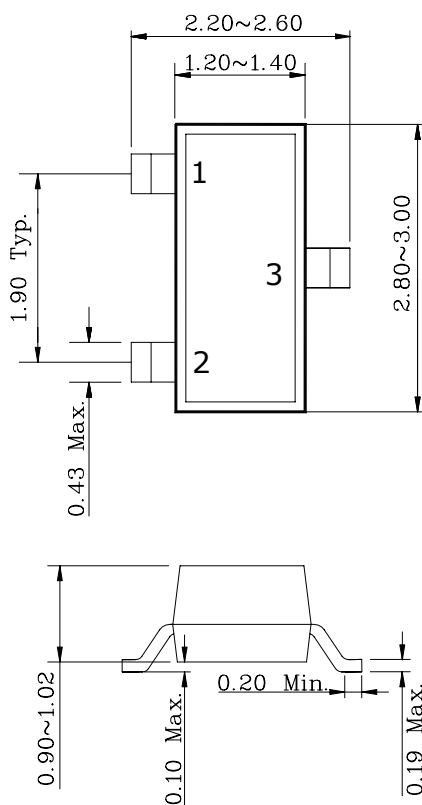
- Low V_F : Max. 0.45V @ $I_F=1A$
- High speed switching application

Ordering Information

Type No.	Marking	Package Code
SDB2301	DB5	SOT-23

Outline Dimensions

unit : mm




PIN Connections

1. Anode
2. NC
3. Cathode

Absolute maximum ratings $T_a=25^{\circ}\text{C}$

Characteristic	Symbol	Ratings	Unit
Peak reverse voltage	V_{RM}	25	V
Reverse voltage	V_R	20	V
Forward current	I_F	1	A
Non-repetitive peak forward current	I_{FSM}^*	3	A
Power dissipation	P_D	200	mW
Junction temperature	T_J	150	$^{\circ}\text{C}$
Storage temperature	T_{stg}	-55 ~ 150	$^{\circ}\text{C}$

* : 60 Hz for 1 **Electrical Characteristics** $T_a=25^{\circ}\text{C}$

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

Fig. 1 $I_F - V_F$

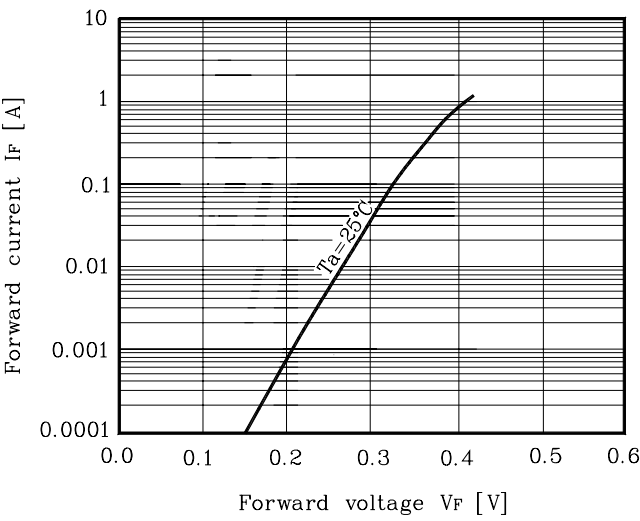
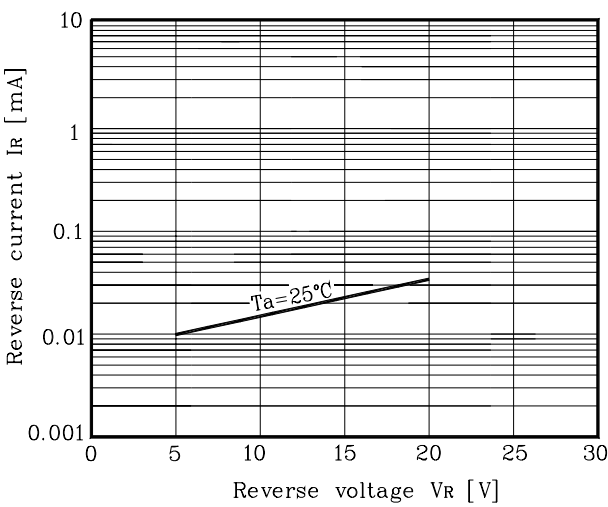


Fig. 2 $I_R - V_R$



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