

Features

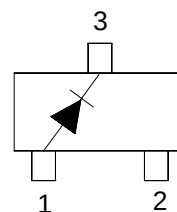
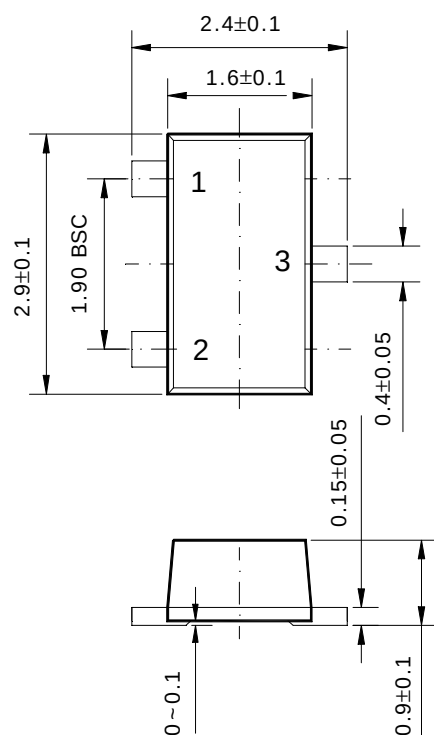
- Low V_F : Max. 0.45V @ $I_F=1A$
- For switching power supply

Ordering Information

Type No.	Marking	Package Code
SDB2301F	DB5	SOT-23F

Outline Dimensions

unit : mm



PIN Connections

1. Anode
2. NC
3. Cathode

Absolute maximum ratings**Ta=25°C**

Characteristic	Symbol	Ratings	Unit
Peak reverse voltage	V_{RM}	25	V
DC reverse voltage	V_R	20	A
DC 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	°C
Storage temperature	T_{stg}	-55 ~ 150	°C

* : 60 Hz for 1 cycle

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

Fig. 1 Forward charcateristics

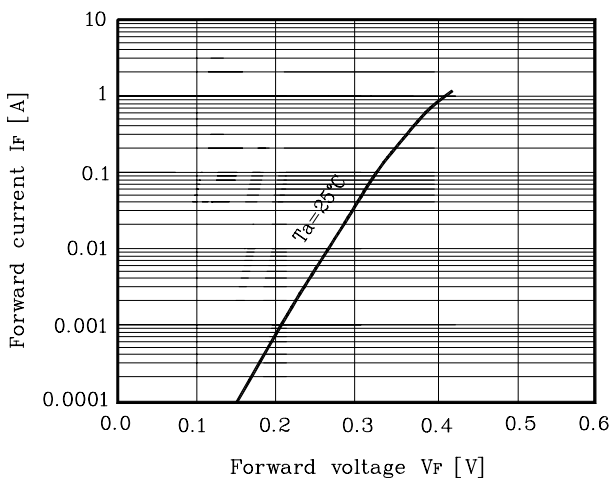


Fig. 2 Reverse characteristics

