

Features

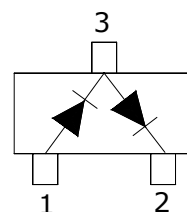
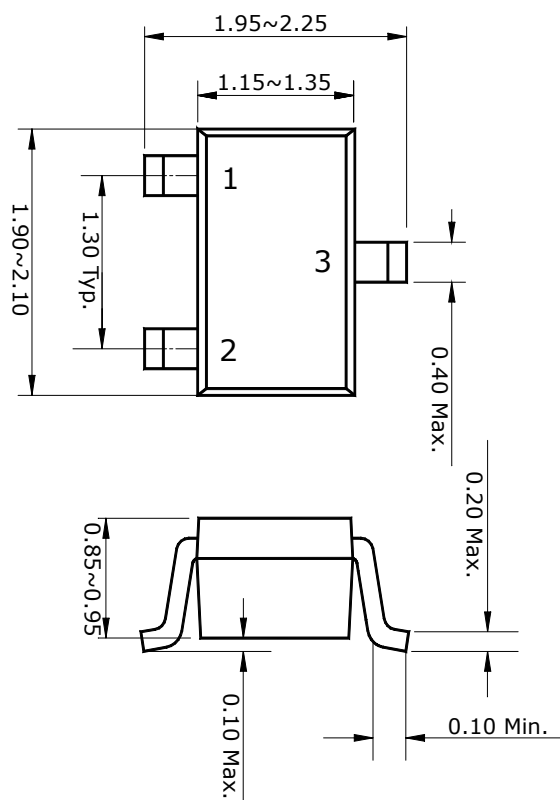
- Low V_F (Max. 0.5V @ 30mA)
- Low I_R (Max. 1 μA @ 30V)
- High reliability

Ordering Information

Type No.	Marking	Package Code
SDB310WMU	MH	SOT-323

Outline Dimensions

unit : mm



PIN Connections

1. Anode
2. Cathode
3. Cathode, Anode

Absolute maximum ratings**Ta=25°C**

Characteristic	Symbol	Rating	Unit
Reverse voltage	V_R	30	V
Forward current	I_F	200	mA
Non-repetitive peak forward current	I_{FSM} *	2	A
Power dissipation	P_D	150	mW
Junction temperature	T_j	150	°C
Storage temperature range	T_{stg}	-55 ~ 150	°C

* 60Hz , 1 cycle.

Electrical Characteristics**Ta=25°C**

Characteristic	Symbol	Test Condition	Min.	Typ.	Max.	Unit
Forward voltage	V_{F1}	$I_F=10\text{mA}$	-	-	0.4	V
	V_{F2}	$I_F=30\text{mA}$	-	-	0.5	V
Reverse current	I_R	$V_R=30\text{V}$	-	-	1	μA
Total capacitance	C_T	$V_R=1\text{V}$, $f=1\text{MHz}$	-	10	-	pF

Electrical Characteristic Curves

Fig. 1 I_F - V_F

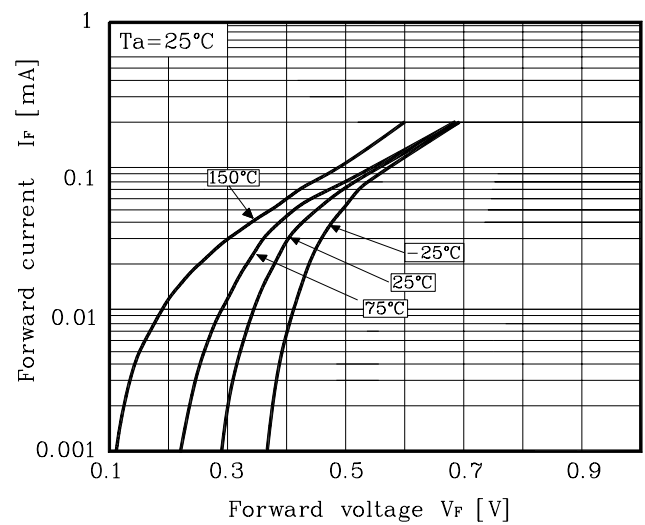


Fig. 2 I_R - V_R

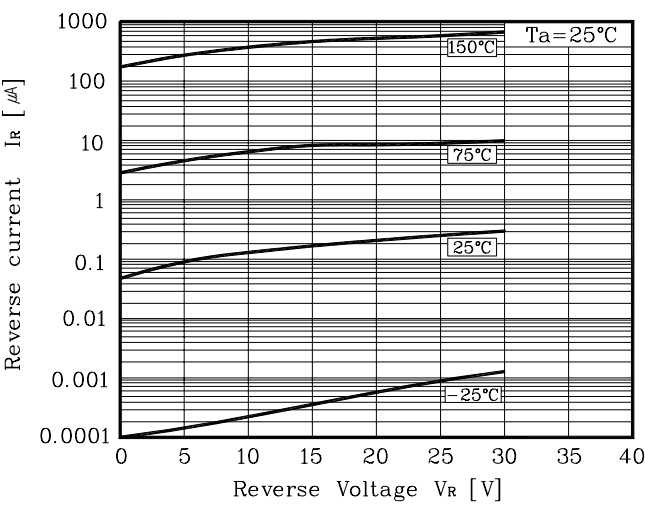
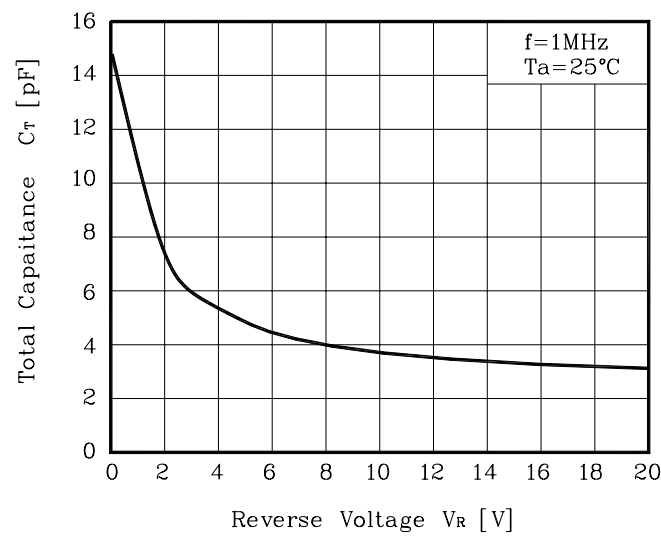


Fig. 3 C_T - V_R



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