

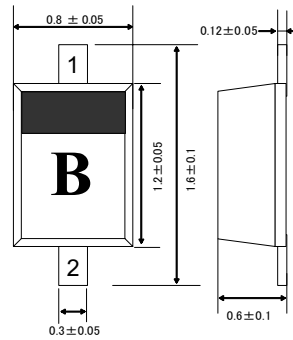
RB520S30

Schottky Barrier Diodes

Features

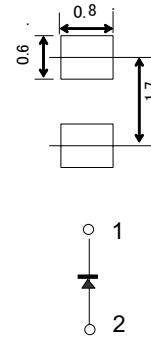
- Small surface mounting type
- Low I_R . ($I_R = 0.1 \mu A$)
- High reliability
- These are Pb-Free Devices

●External dimensions (Unit : mm)



SOD-523

●Land size figure (Unit : mm)



ORDER INFORMATION

MODEL	PIN-PACKAGE	ORDERING NUMBER	PACKAGE MARKING	PACKAGE OPTION
RB520S30	SOD-523	RB520S30-2/TR	B	3000/Tape&Reel

Maximum Ratings and Electrical Characteristics, Single Diode @ $T_A=25^\circ C$

Parameter	Symbol	Limits	Unit
DC reverse voltage	V_R	30	V
Mean rectifying current	I_O	200	mA
Peak forward surge current	I_{FSM}	1	A
Junction temperature	T_j	125	$^\circ C$
Storage temperature	T_{stg}	-40~125	$^\circ C$

Electrical Ratings @ $T_A=25^\circ C$

Parameter	Symbol	Min.	Typ.	Max.	Unit	Conditions
Forward voltage	V_F			0.6	V	$I_F = 200mA$
Reverse current	I_R			1	μA	$V_R = 10V$

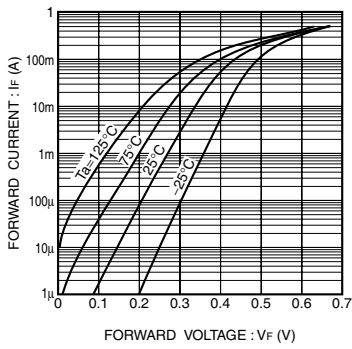
Typical Characteristics
RB520S30


Fig. 1 Forward characteristics

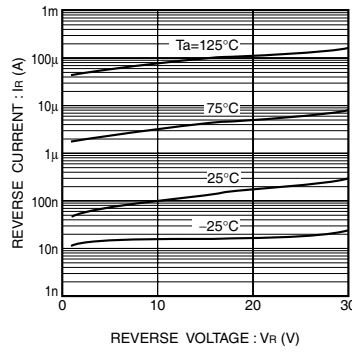


Fig. 2 Reverse characteristics

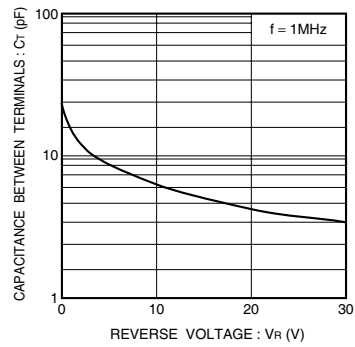
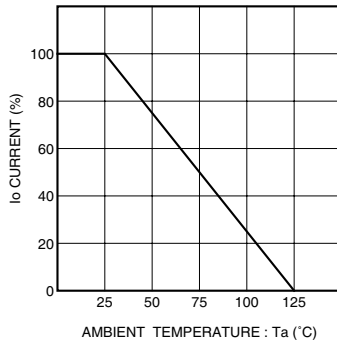


Fig. 3 Capacitance between terminals characteristics


 Fig 4. Derating curve
(mounting on glass epoxy PCBs)