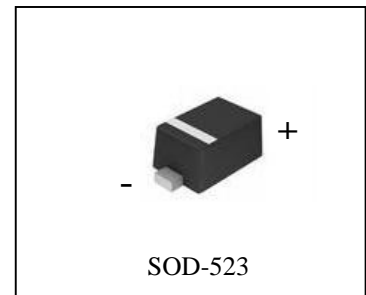


Schottky barrier diode

RB520S-30
FEATURES

Small surface mounting type
 Low reverse current and low forward voltage
 High reliability

MARKING: B



Maximum Ratings and Electrical Characteristics, Single Diode @TA=25°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	°C
Storage temperature	T_{stg}	-40-125	°C

ELECTRICAL CHARACTERISTICS (Tamb=25°C unless otherwise specified)

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

RB520S-30 Typical Characteristics

● Electrical characteristic curves (Ta=25°C)

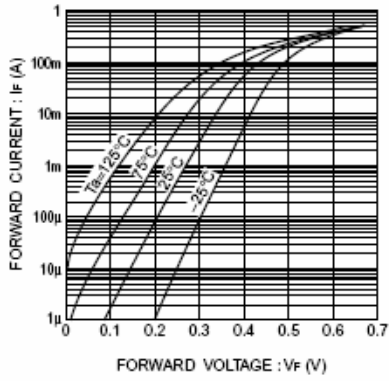


Fig. 1 Forward characteristics

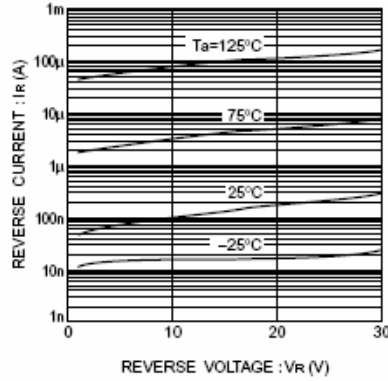


Fig. 2 Reverse characteristics

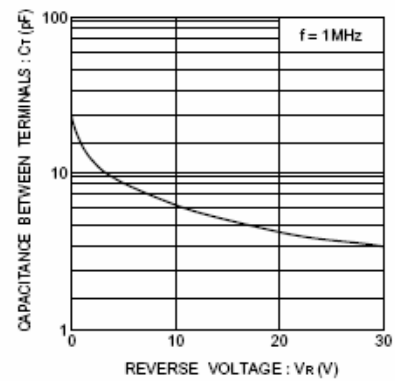


Fig. 3 Capacitance between terminals characteristics

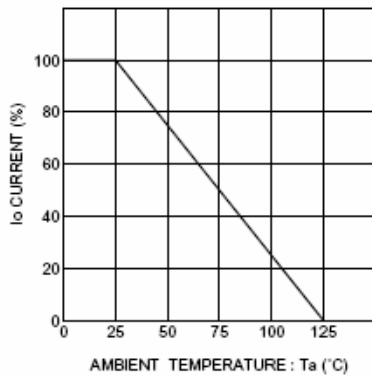


Fig 4. Derating curve
(mounting on glass epoxy PCBs)