



JIANGSU CHANGJIANG ELECTRONICS TECHNOLOGY CO., LTD

SOD-523 Plastic-Encapsulate Diodes

RB521S-30 Schottky barrier Diodes

FEATURES

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



MARKING: C

Maximum Ratings and Electrical Characteristics, Single Diode @T_A=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 Ratings @T_A=25°C

Parameter	Symbol	Min.	Typ.	Max.	Unit	Conditions
Forward voltage	V _F			0.5	V	I _F =200mA
Reverse current	I _R			30	μ A	V _R =10V

Typical Characteristics

RB521S-30

●Electrical characteristic curves (Ta=25°C)

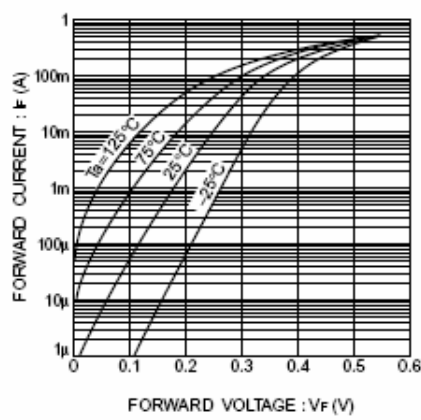


Fig. 1 Forward characteristics

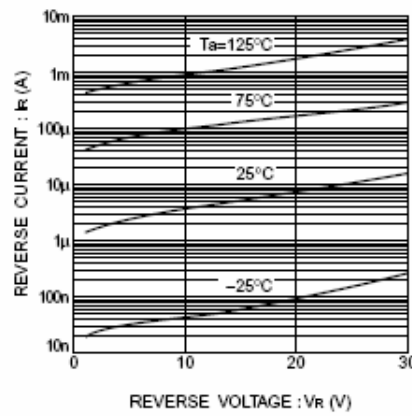


Fig. 2 Reverse characteristics

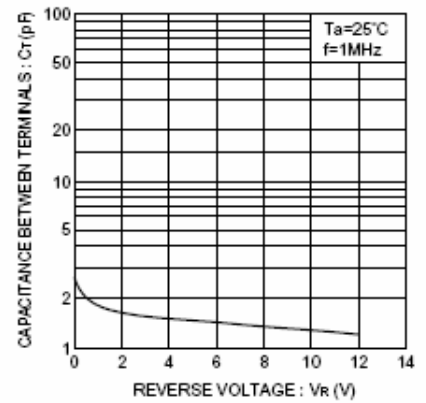


Fig. 3 Capacitance between terminals characteristics

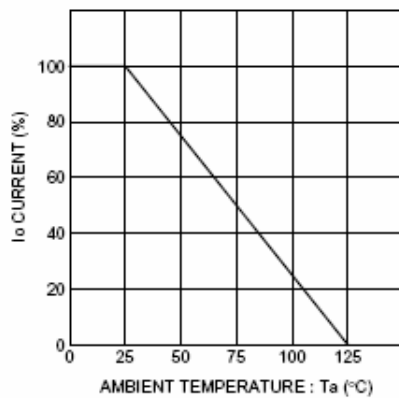


Fig. 4 Derating curve
(mounting on glass epoxy PCBs)