



JIANGSU CHANGJIANG ELECTRONICS TECHNOLOGY CO., LTD

SOD-723 Plastic-Encapsulate Diodes

RB520G-30

Schottky barrier Diodes

FEATURES

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



MARKING: E

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	100	mA
Peak forward surge current	I _{FSM}	500	mA
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			0.45	V	I _F =10mA
Reverse current	I _R			0.5	μ A	V _R =10V

●Electrical characteristic curves (Ta=25°C)

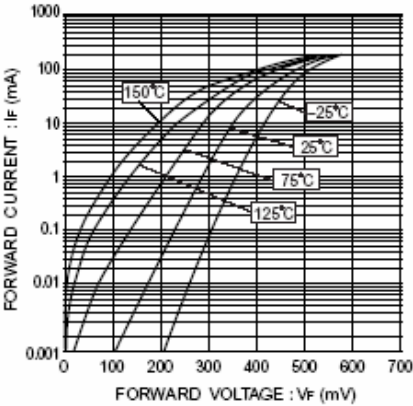


Fig.1 Forward characteristics

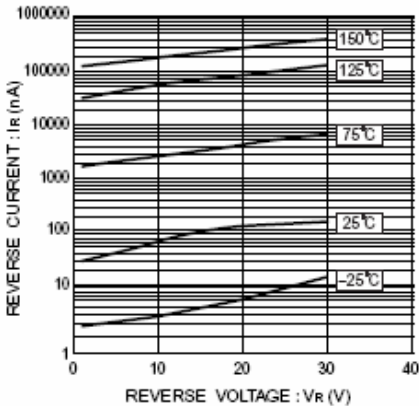


Fig.2 Reverse characteristics

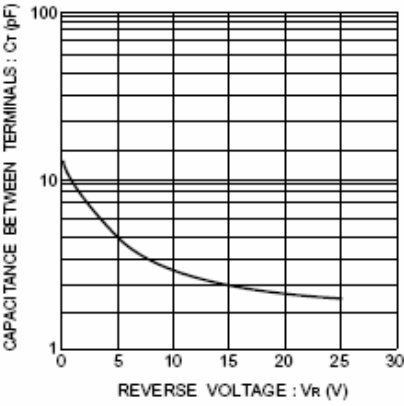


Fig. 3 Capacitance between terminals characteristics