



JIANGSU CHANGJIANG ELECTRONICS TECHNOLOGY CO., LTD

SOD-323 Plastic-Encapsulate Diode

RB551V-30 Schottky Diodes

FEATURES

- High current rectifier Schottky diode
- Low voltage, low inductance
- For power supply

MAKING: D



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

Parameter	Symbol	Limits	Unit
Peak reverse voltage	V _{RM}	30	V
DC reverse voltage	V _R	20	V
Mean rectifying current	I _O	0.5	A
Peak forward surge current	I _{FSM}	2	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			0.36 0.47	V	I _F =100mA I _F =500mA
Reverse current	I _R			100	μA	V _R =20V

Typical Characteristics

RB551V-30

●Electrical characteristic curves ($T_a = 25^\circ\text{C}$)

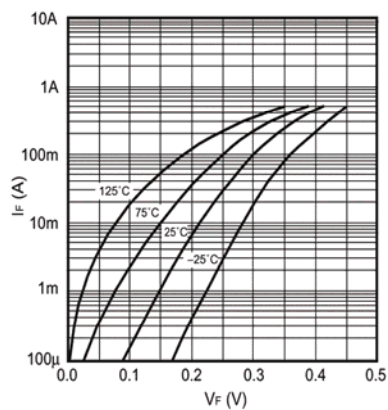


Fig.1 Forward characteristics

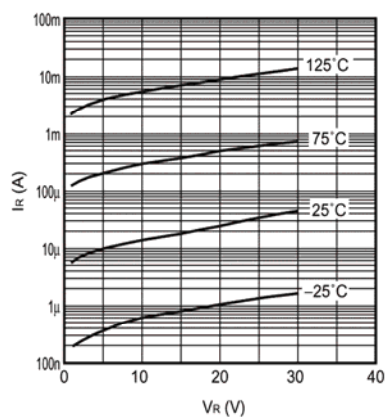


Fig.2 Reverse characteristics

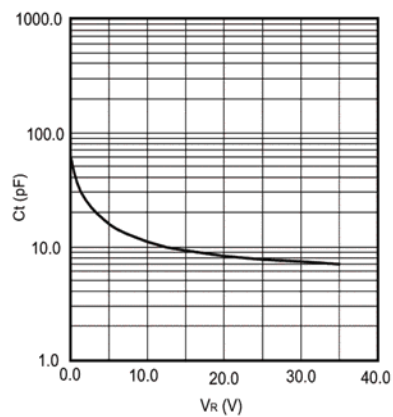


Fig.3 Capacitance between terminals characteristics

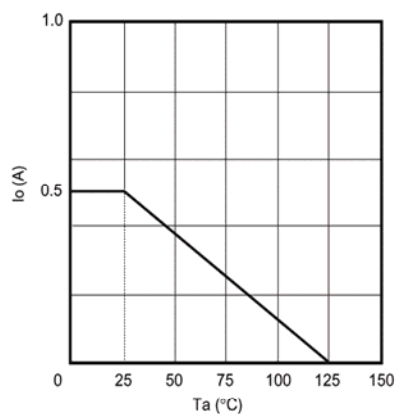


Fig.4 Derating curve