

## FEATURES

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



SOD-323

## Maximum Ratings and Electrical Characteristics, Single Diode @T<sub>A</sub>=25°C

Parameter	Symbol	Limits	Unit
Peak reverse voltage	V <sub>RM</sub>	30	V
DC reverse voltage	V <sub>R</sub>	20	V
Mean rectifying current	I <sub>O</sub>	0.5	A
Peak forward surge current	I <sub>FSM</sub>	2	A
Junction temperature	T <sub>j</sub>	125	°C
Storage temperature	T <sub>stg</sub>	-40~+125	°C

## Electrical Ratings @T<sub>A</sub>=25°C

Parameter	Symbol	Min.	Typ.	Max.	Unit	Conditions
Forward voltage	V <sub>F</sub>			0.36 0.47	V	I <sub>F</sub> =100mA I <sub>F</sub> =500mA
Reverse current	I <sub>R</sub>			100	μA	V <sub>R</sub> =20V



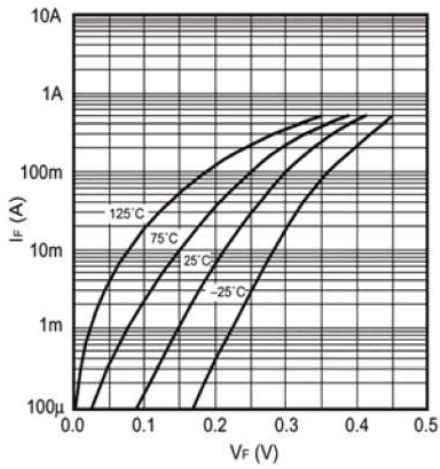


Fig.1 Forward characteristics

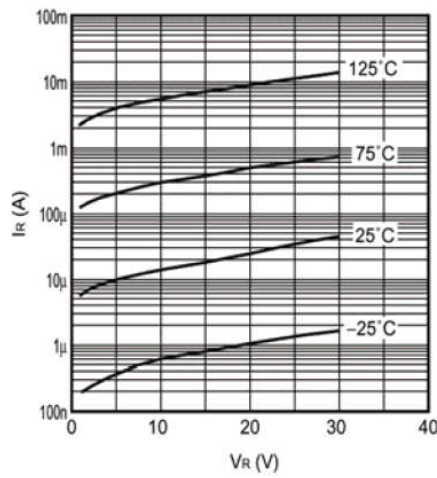


Fig.2 Reverse characteristics

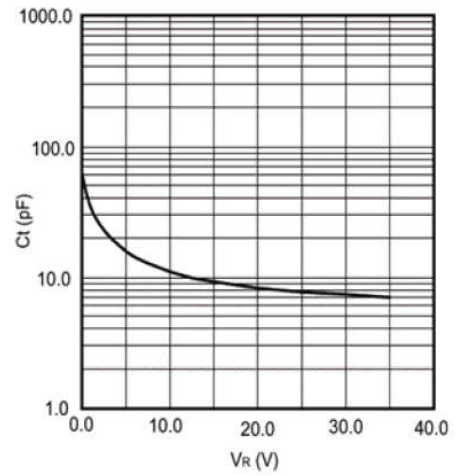


Fig.3 Capacitance between terminals characteristics

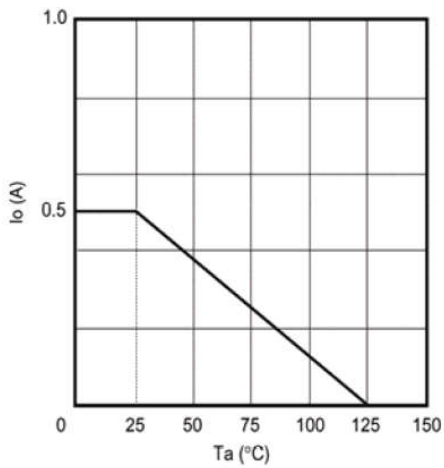


Fig.4 Derating curve

