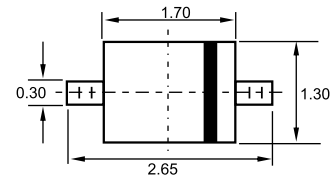



SOD-323


Dimensions in inches and (millimeters)

Features

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

Maximum Ratings and Electrical Characteristics

Rating at 25°C ambient temperature unless otherwise specified.

Maximum Ratings

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

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	$V_R=20V$

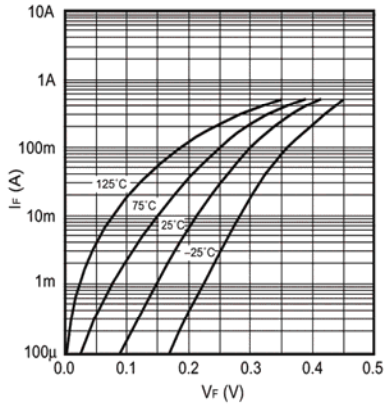
Typical Characteristics
●Electrical characteristic curves (Ta = 25°C)


Fig.1 Forward characteristics

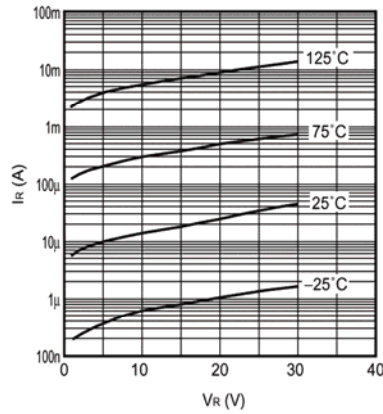


Fig.2 Reverse characteristics

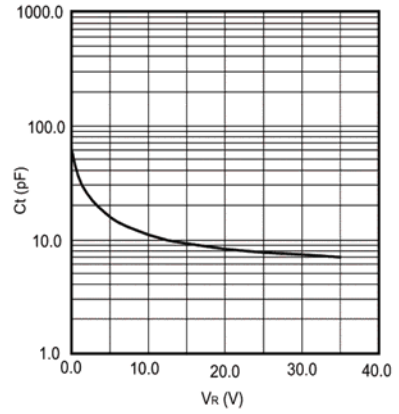


Fig.3 Capacitance between terminals characteristics

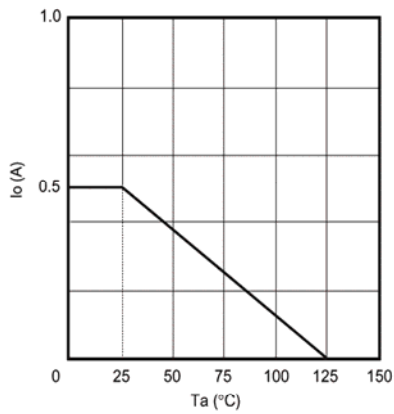


Fig.4 Derating curve