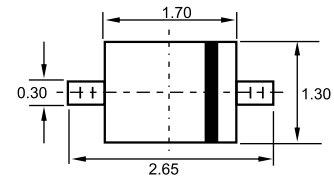



**SOD-323**


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	$\mu A$	$V_R=20V$

### Typical Characteristics

● Electrical characteristic curves (Ta = 25°C)

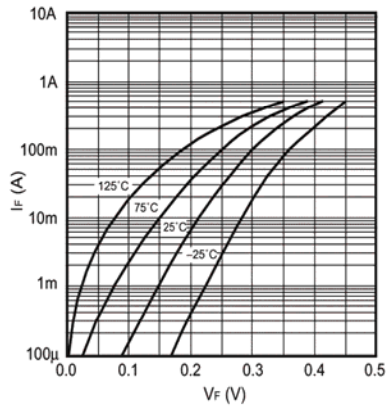


Fig.1 Forward characteristics

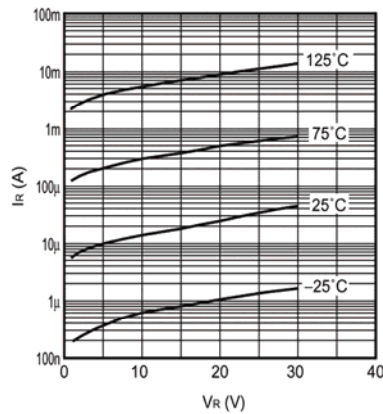


Fig.2 Reverse characteristics

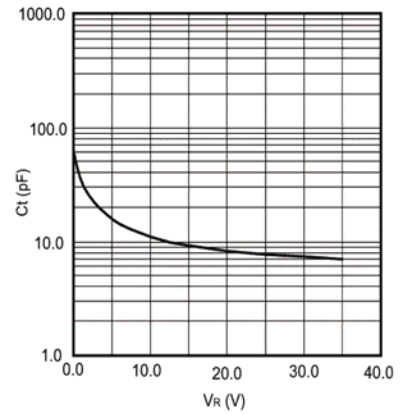


Fig.3 Capacitance between terminals characteristics

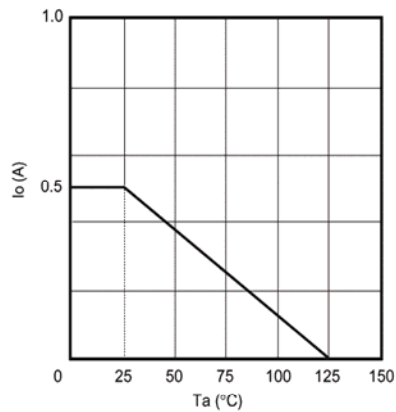


Fig.4 Derating curve