

●Applications

Low current rectification and high speed switching

●Features

- 1) Extremely small surface mounting type. (EMD2)
- 2) I_o
- 3) Low V_F . ($V_F=0.40V$ Typ. At 200mA)

●Construction


Silicon epitaxial planar

●External dimensions (Units : mm)



●Absolute maximum ratings ($T_a=25^{\circ}C$)

Parameter	Symbol	Limits	Unit
DC reverse voltage	V_R	30	V
Mean rectifying current	I_o	200	mA
Peak forward surge current*	I_{FSM}	1	A
Junction temperature	T_J	125	$^{\circ}C$
Storage temperature	T_{stg}	-40~+125	$^{\circ}C$

* 60Hz for 1 

●Electrical characteristics ($T_a=25^{\circ}C$)

Parameter	Symbol	Min.	Typ.	Max.	Unit	Conditions
Forward voltage	V_F	-	-	0.50	V	$I_F = 200mA$
Reverse current	I_R	-	-	30	μA	$V_R = 10V$

Note) sensitive product handling required.



●Electrical characteristic curves (Ta=25°C)

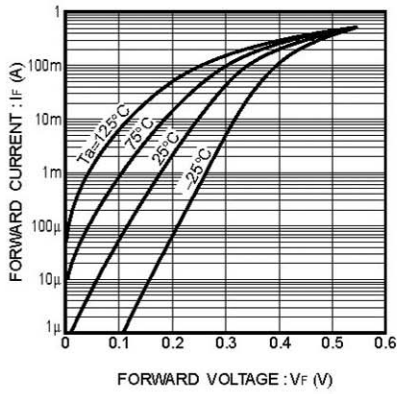


Fig. 1 Forward characteristics

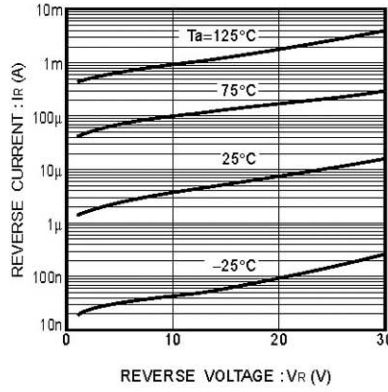


Fig. 2 Reverse characteristics

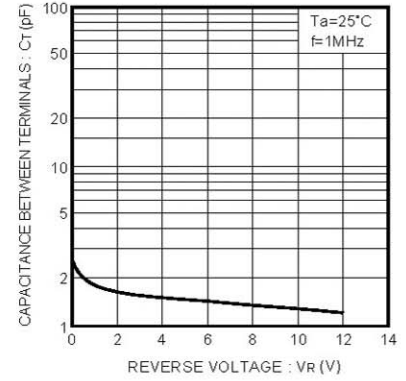


Fig. 3 Capacitance between terminals characteristics

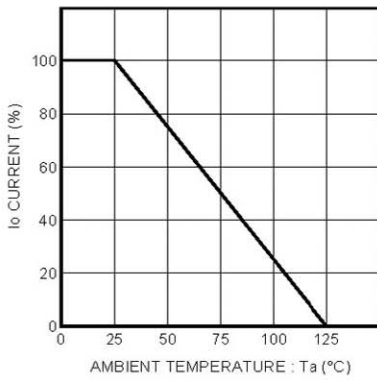


Fig. 4 Derating curve (mounting on glass epoxy PCBs)

