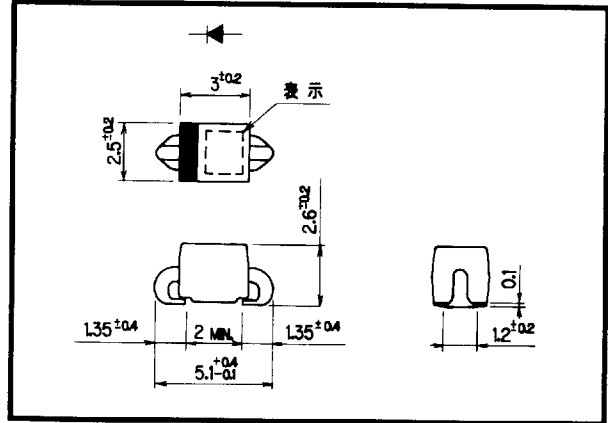


GENERAL USE RECTIFIER DIODE

Outline Drawing



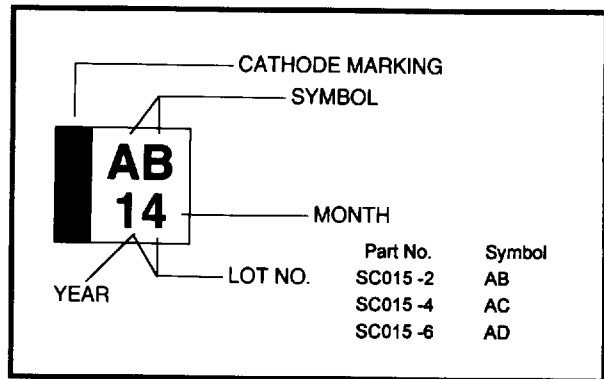
Features

- Surface mount device
- High reliability

Applications

- General purpose rectifier applications

Marking



Maximum Ratings & Characteristics

- Absolute Maximum Ratings

Items	Symbols	Conditions	Ratings			Units
			-2	-4	-6	
Repetative Peak Reverse Voltage	V_{RRM}		200	400	600	V
Non-Repative Peak Reverse Voltage	V_{RSM}		200	400	600	V
Average Output Current	I_o	$T_a = 40^\circ\text{C}$, Resistive Load	1.0 *			A
Surge Current	I_{FSM}	Sine Wave, 10ms	40			A
Operating Junction Temperature	T_J		-40 to +140			$^\circ\text{C}$
Storage Temperature	T_{stg}		-40 to +140			$^\circ\text{C}$

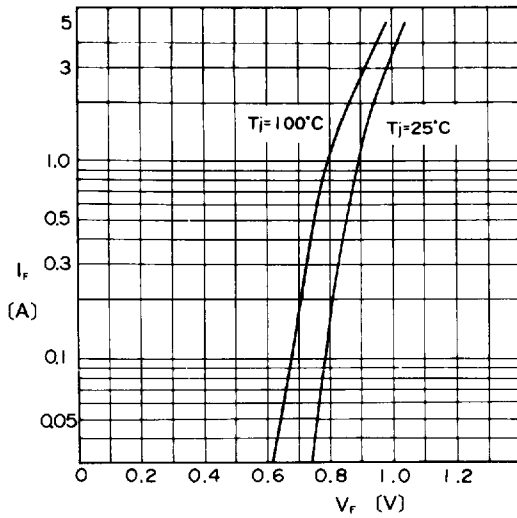
*Mounted to glass fabric base epoxy resin printed circuits.

- Electrical Characteristics ($T_a = 25^\circ\text{C}$ Unless otherwise specified)

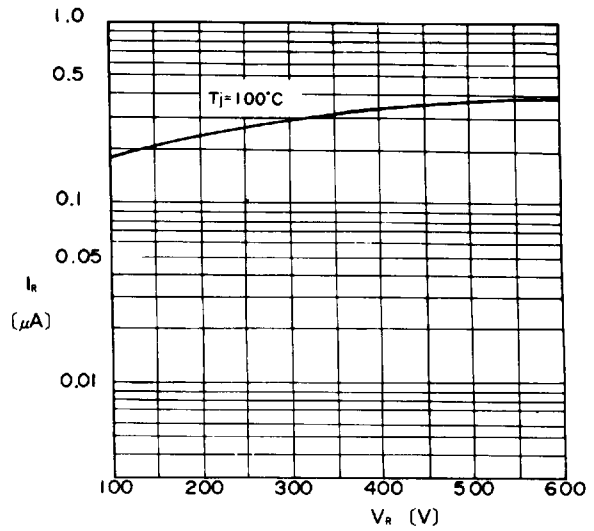
Items	Symbols	Conditions	Ratings	Units
Forward Voltage Drop	V_F	$I_F = 2\text{A}$	1.1	V
Reverse Current	I_R	$V_R = V_{RRM}$	10	μA
Thermal Resistance	$R_{th(j-a)}$	Junction to Ambient	120 *	$^\circ\text{C/W}$



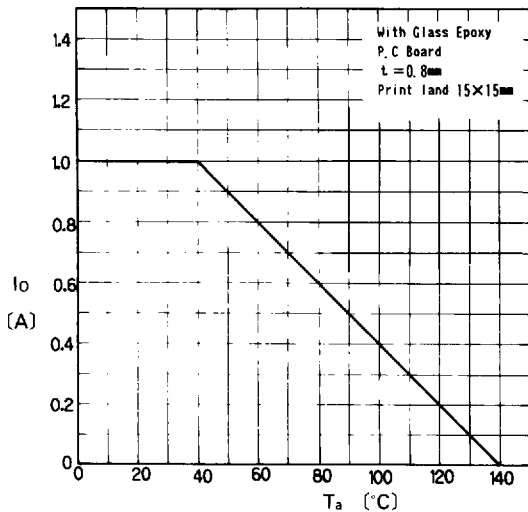
SC015 (1.0A)



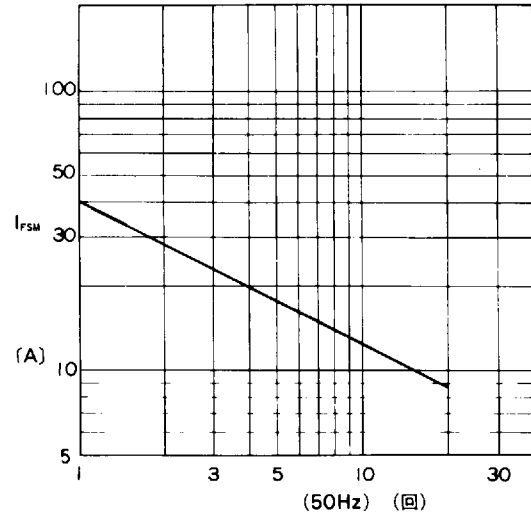
Forward Characteristics



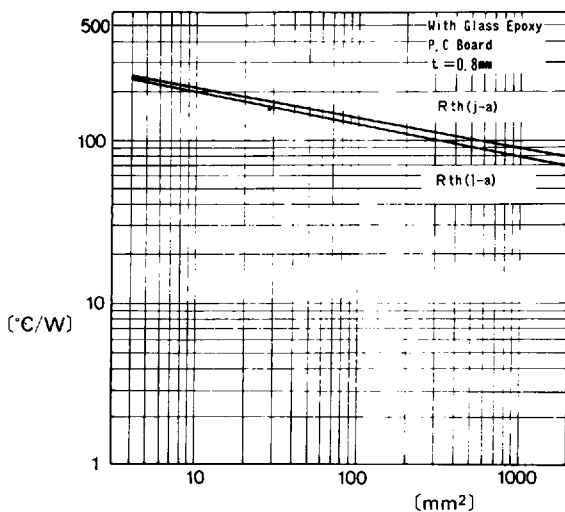
Reverse Characteristics



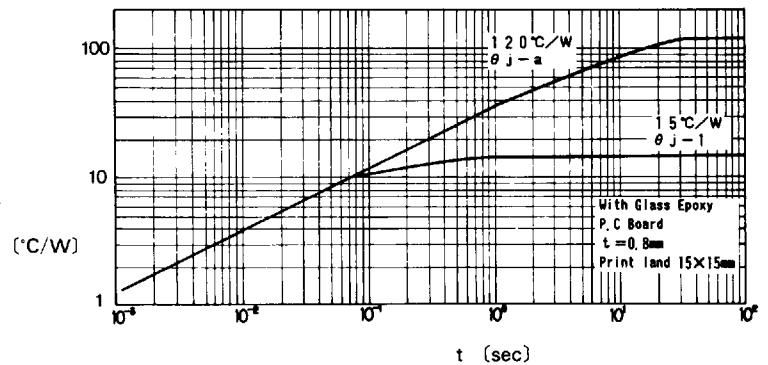
Current Derating (I_o - T_a)



Surge Capability



Thermal Resistance Print Land



Transient Thermal Impedance