

高速整流ダイオード

FAST RECOVERY DIODE

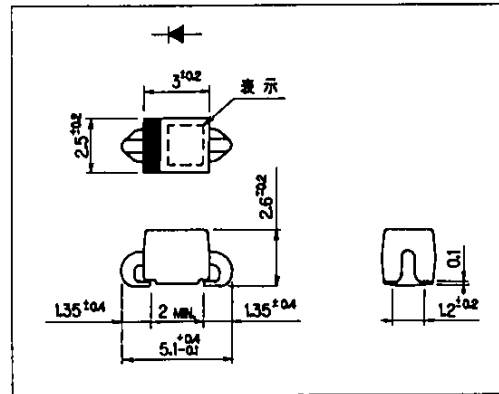
■特長：Features

- 表面実装が可能
Surface mount device
- メサ形のため耐圧が高い
High voltage by mesa design.
- 高信頼性
High reliability

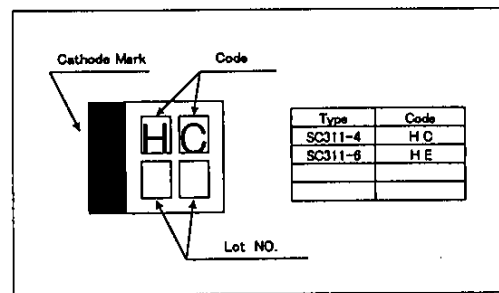
■用途：Applications

- 高速スイッチング
High speed switching.

■外形寸法：Outline Drawings



■表示：Marking



■定格と特性：Maximum Ratings and Characteristics

●絶対最大定格：Absolute Maximum Ratings

Items	Symbols	Conditions	Ratings		Units
			-4	-6	
ピーク繰り返し逆電圧 Repetitive Peak Reverse Voltage	V_{RRM}		400	600	V
ピーク非繰り返し逆電圧 Non-Repetitive Peak Reverse Voltage	V_{RSM}		400	600	V
平均出力電流 Average Output Current	I_O	抵抗負荷 Resistive Load $T_a = 25^\circ\text{C}$	0.5*		A
サージ電流 Surge Current	I_{FSM}	正弦波 Sine wave 10ms	10		A
接合温度 Operating Junction Temperature	T_j		-40~+150		$^\circ\text{C}$
保存温度 Storage Temperature	T_{stg}		-40~+150		$^\circ\text{C}$

* ガラスエポキシ基板に装着、ランド寸法15×15mm

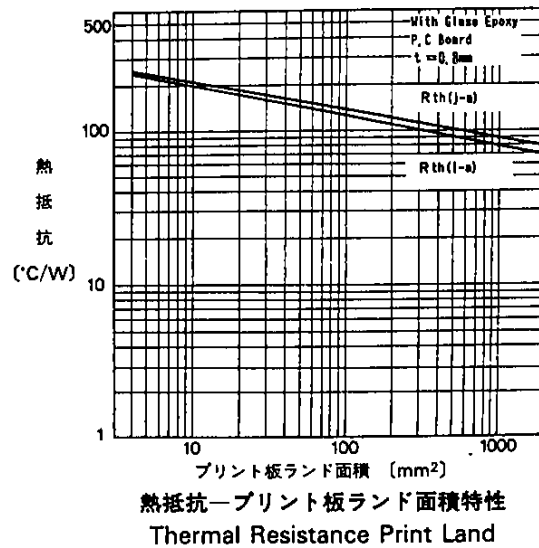
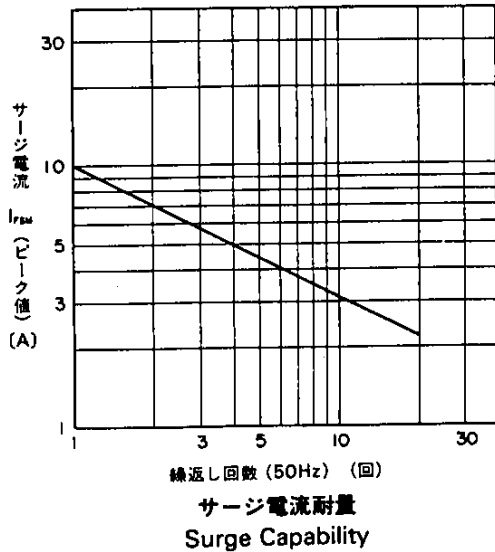
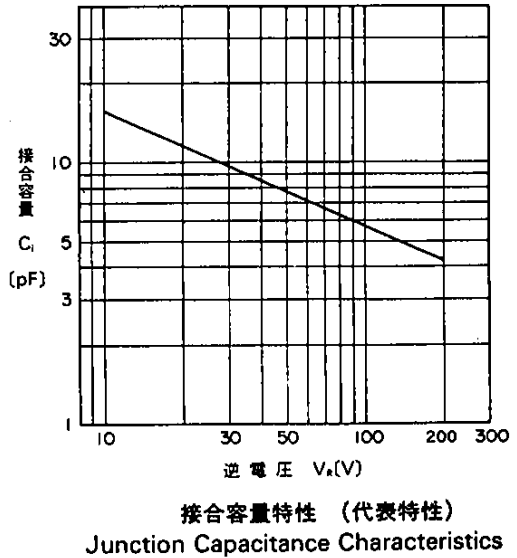
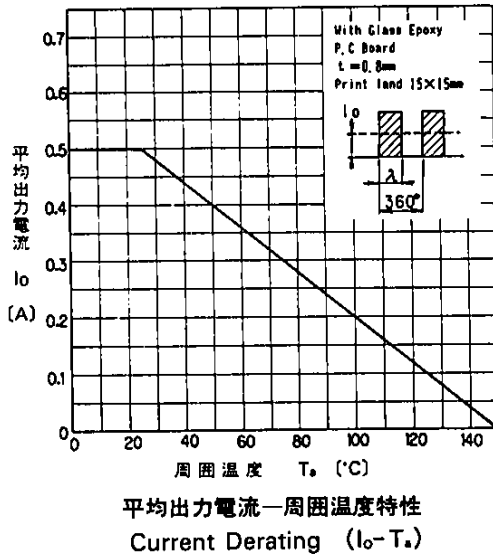
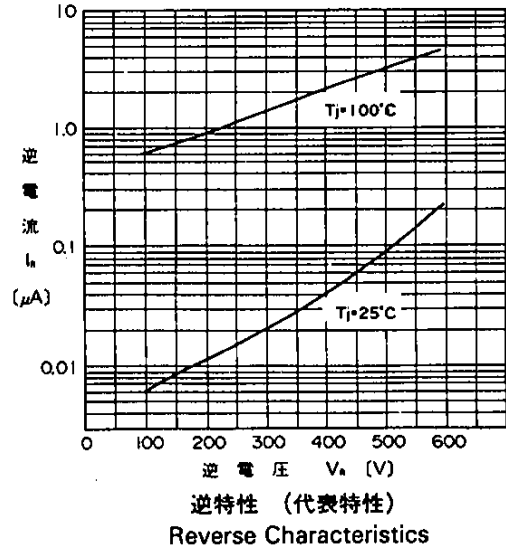
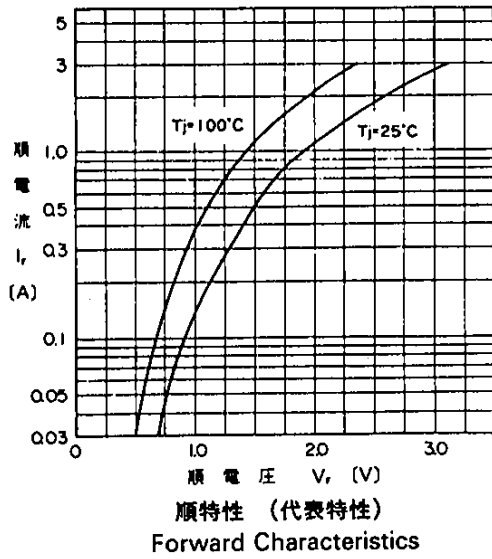
* Mounted to glass fabric base epoxy resin printed circuits

●電気的特性(特に指定がない限り周囲温度 $T_a = 25^\circ\text{C}$ とする)

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

Items	Symbols	Conditions	Max.	Units
順電圧 Forward Voltage Drop	V_{FM}	$I_{FM} = 0.5\text{A}$	2.5	V
逆電流 Reverse Current	I_{RRM}	$V_R = V_{RRM}$	50	μA
逆回復時間 Reverse Recovery Time	t_{rr}	$I_F = 0.1\text{A}, I_R = 0.2\text{A}, I_{rec} = 0.05\text{A}$	50	ns
熱抵抗 Thermal Resistance	$R_{th(j-a)}$	接合・周囲間 junction to ambient	120*	$^\circ\text{C}/\text{W}$

■特性曲線：Characteristics



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