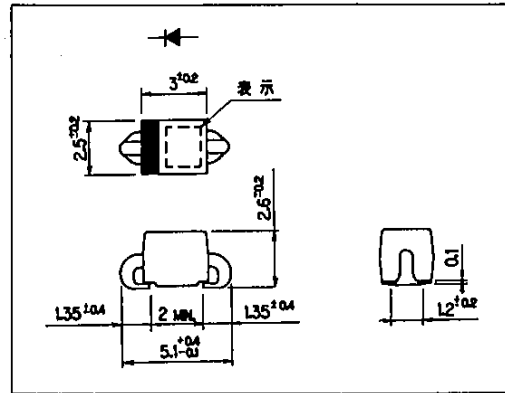


高速整流ダイオード

FAST RECOVERY DIODE

■外形寸法：Outline Drawings



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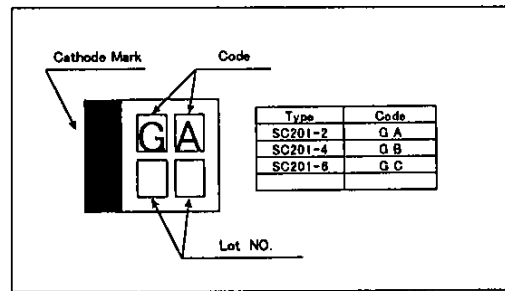
■特長：Features

- 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.

■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
			-2	-4	-6	
ピーク繰り返し逆電圧 Repetitive Peak Reverse Voltage	V_{RRM}		200	400	600	V
ピーク非繰り返し逆電圧 Non-Repetitive Peak Reverse Voltage	V_{RSM}		200	400	600	V
平均出力電流 Average Output Current	I_D	抵抗負荷 Resistive load $T_a=40^\circ\text{C}$	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~+140			$^\circ\text{C}$
保存温度 Storage Temperature	T_{sig}		-40~+140			$^\circ\text{C}$

* ガラスエポキシ基板に装着, ランド寸法15×15mm

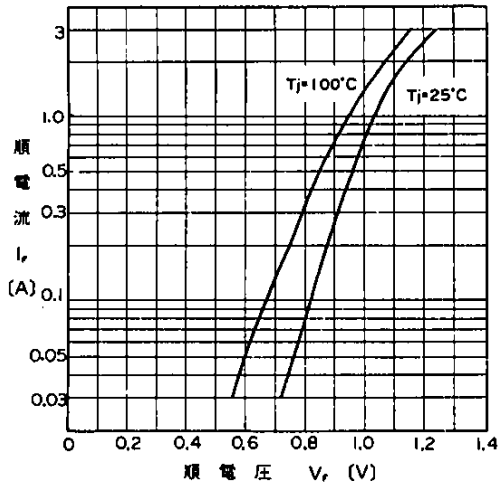
* Mounted to glass fabric base epoxy resin printed circuits

●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)

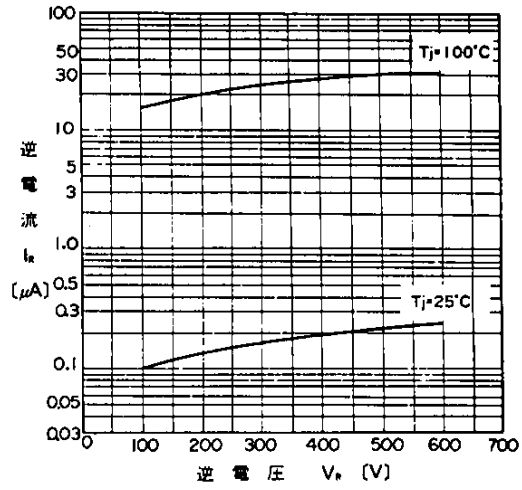
Electrical Characteristics ($T_a=25^\circ\text{C}$ Unless otherwise specified)

Items	Symbols	Conditions	Max.	Units
順電圧 Forward Voltage Drop	V_{FM}	$I_{FM}=0.5\text{A}$	1.5	V
逆電流 Reverse Current	I_{RRM}	$V_R=V_{RRM}$	10	μA
逆回復時間 Reverse Recovery Time	t_{rr}	$I_F=0.1\text{A}, I_R=0.1\text{A}$	400	ns
熱抵抗 Thermal Resistance	$R_{th(j-a)}$	接合・周囲間 junction to ambient	120*	$^\circ\text{C}/\text{W}$

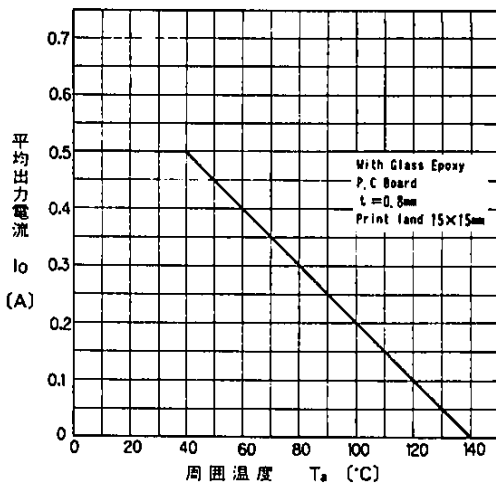
■特性曲線：Characteristics



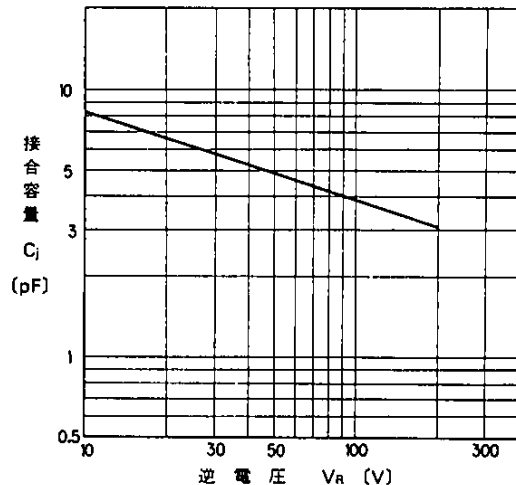
順特性 (代表特性)
Forward Characteristics



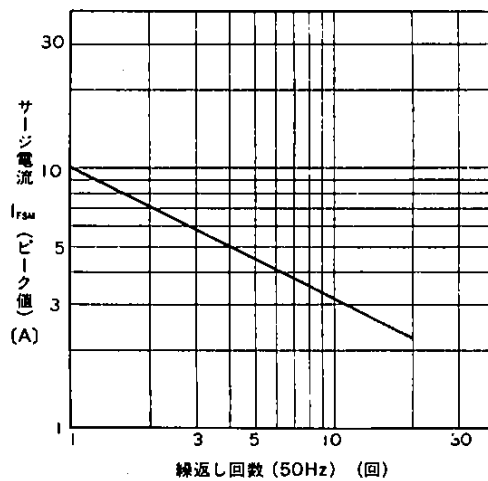
逆特性 (代表特性)
Reverse Characteristics



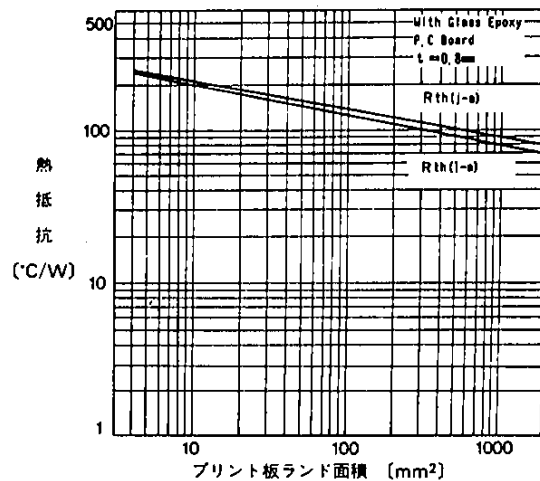
平均出力電流—周囲温度
Current Derating (I_o - T_a)



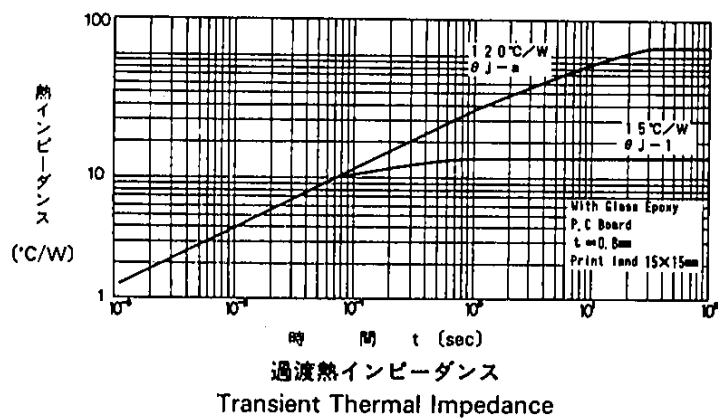
接合容量特性 (代表特性)
Junction Capacitance



サージ電流耐量
Surge Capability



熱抵抗—プリント板ランド面積特性
Thermal Resistance Print Land



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