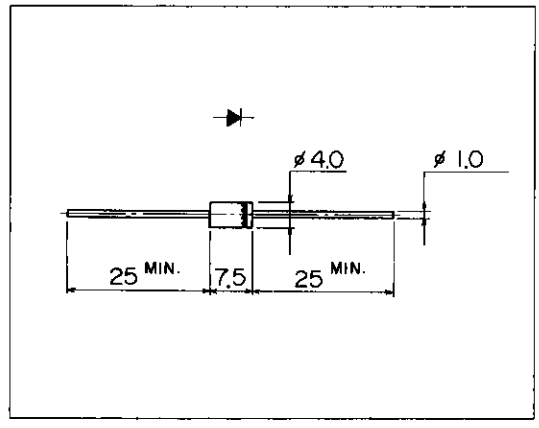
ERB93-02(1.5A)

富士小電力ダイオード

低損失超高速ダイオード

LOW LOSS SUPER HIGH SPEED RECTIFIER

■外形寸法：Outline Drawings



■特長：Features

●低V_F
Low V_F

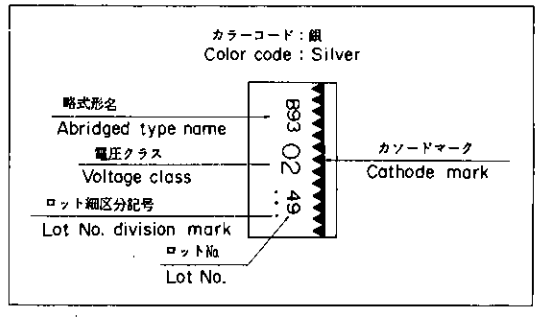
●スイッチングスピードが非常に速い
Super high speed switching.

●プレーナー技術による高信頼性
High reliability by planer design.

■用途：Applications

●高速電力スイッチング
High speed power switching.

■表示：Marking



■定格と特性：Maximum Ratings and Characteristics

●絶対最大定格：Absolute Maximum Ratings

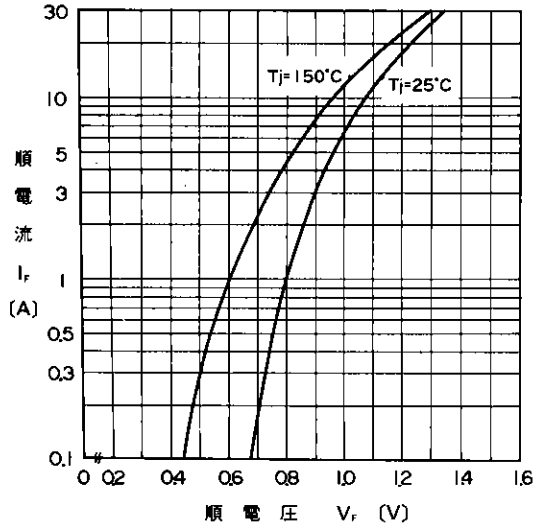
Items	Symbols	Conditions	Ratings	Units
ピーク繰り返し逆電圧 Repetitive Peak Reverse Voltage	V_{RRM}		200	V
平均順電流 Average Forward Current	$I_{F(AV)}$	方形波 duty=½, T_a=40°C Square wave	1.5	A
サージ電流 Surge Current	I_{FSM}	正弦波 Sine wave 10ms T_j=150°C	25	A
接合温度 Operating Junction Temperature	T_j		−40～+150	°C
保存温度 Storage Temperature	T_{stg}		−40～+150	°C

●電気的特性(特に指定がない限り周囲温度Ta=25°Cとする)
Electrical Characteristics (Ta=25°C Unless otherwise specified)

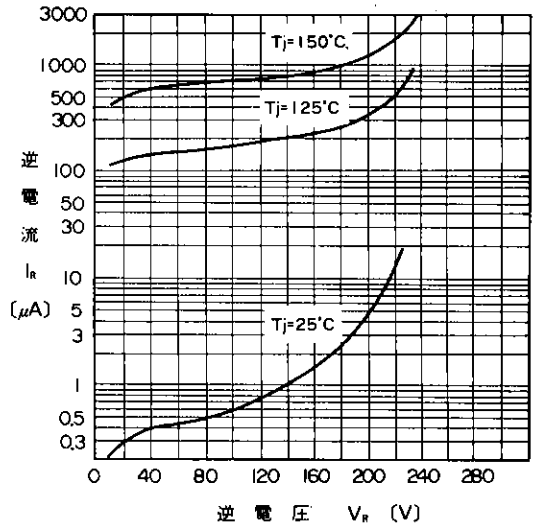
Items	Symbols	Conditions	Max.	Units
順電圧 Forward Voltage Drop	V_{FM}	I_{FM}=1.5A	0.95	V
逆電流 Reverse Current	I_{RRM}	$V_R=V_{RRM}$	100	μA
逆回復時間 Reverse Recovery Time	t_{rr}	I_F=0.1A, I_R=0.2A, I_{rec}=0.05A	35	ns

A

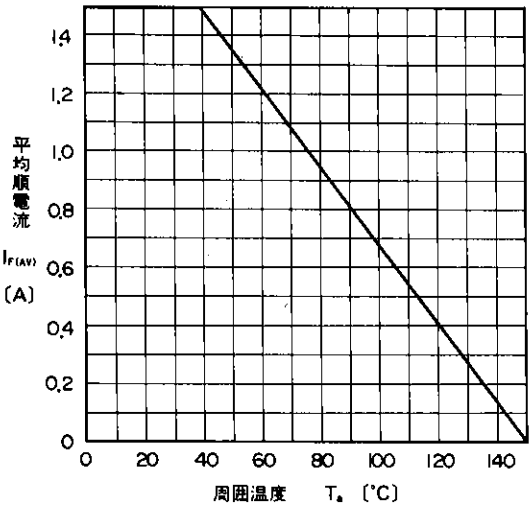
■特性曲線：Characteristics



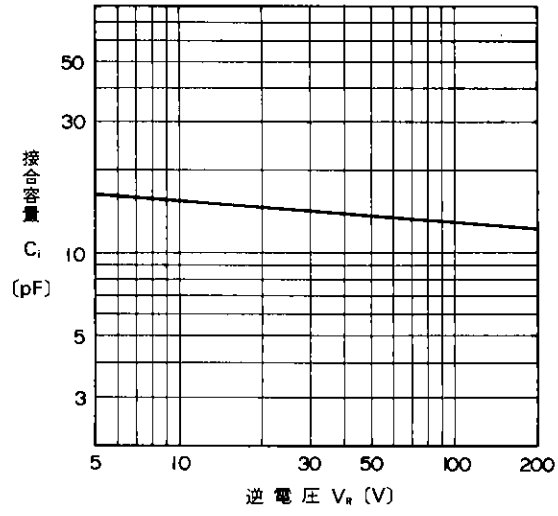
順特性 (代表特性)
Forward Characteristics



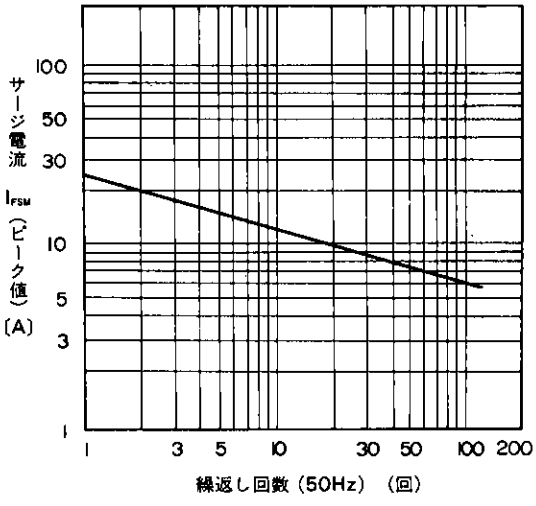
逆特性 (代表特性)
Reverse Characteristics



平均順電流—周囲温度特性
Current Derating ($I_{F(AV)}$-T_a)



接合容量特性 (代表特性)
Junction Capacitance



サージ電流耐量
Surge Capability

For more information, contact:

Collmer Semiconductor, Inc.
P.O. Box 702708
Dallas, TX 75370
972-733-1700
972-381-9991 Fax
http://www.collmer.com