

# ERC01(F)(1.8A)

富士小電力ダイオード

## 一般整流用ダイオード

### GENERAL USE RECTIFIER DIODE

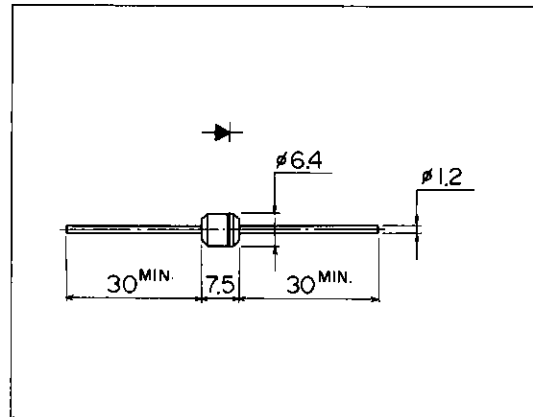
#### ■特長：Features

- 許容電流が高い High current
- 高信頼性 High reliability

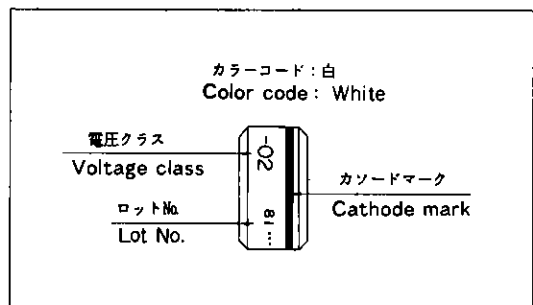
#### ■用途：Applications

- 電源整流  
General purpose rectifier applications

#### ■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
			-02F	-04F	
ピーク繰り返し逆電圧 Repetitive Peak Reverse Voltage	$V_{RRM}$		200	400	V
平均順電流 Average Forward Current	$I_{F(AV)}$	抵抗負荷 Resistive Load $T_a = 40^\circ\text{C}$	1.8 (3.0*)		A
サージ電流 Surge Current	$I_{FSM}$	正弦波 Sine Wave 10ms 無負荷状態より	130		A
接合温度 Operating Junction Temperature	$T_j$		-40 ~ +140		$^\circ\text{C}$
保存温度 Storage Temperature	$T_{stg}$		-40 ~ +140		$^\circ\text{C}$

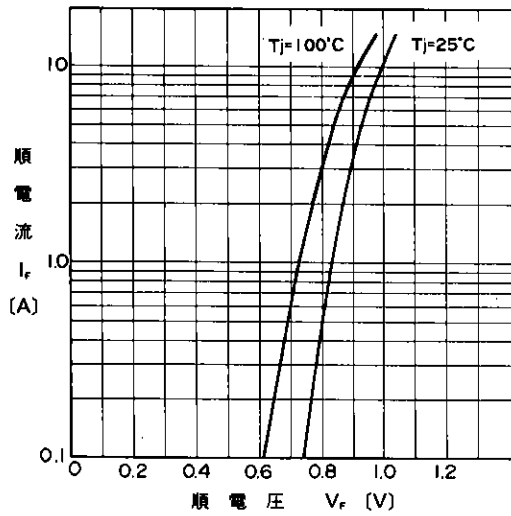
\*1t×20×20 銅フィンを両側につけた場合  
with cooling Cu fin both lead (1t×20×20)

##### ●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)

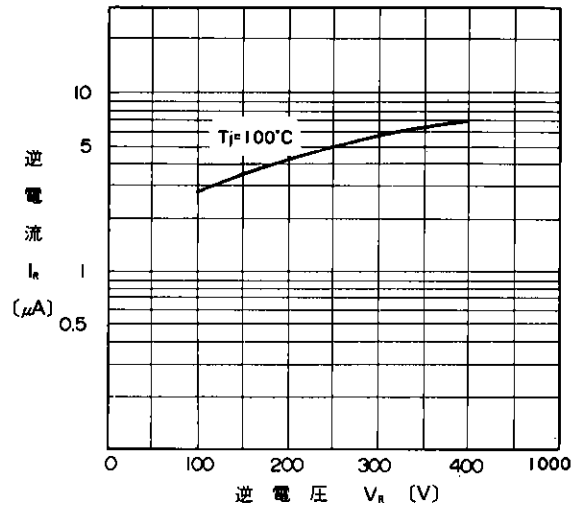
Electrical Characteristics ( $T_a = 25^\circ\text{C}$  Unless otherwise specified)

Items	Symbols	Conditions	Max.	Units
順電圧 Forward Voltage Drop	$V_{FM}$	$T_j = 25^\circ\text{C}$ $I_{FM} = 4.0\text{A}$	1.1	V
逆電流 Reverse Current	$I_{RRM}$	$T_j = 25^\circ\text{C}$ $V_R = V_{RRM}$	10	$\mu\text{A}$

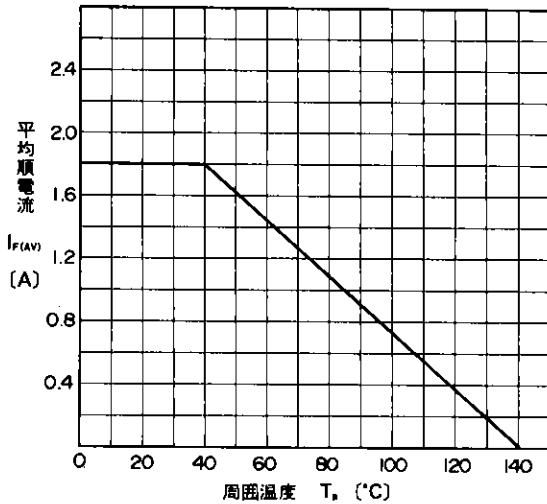
■特性曲線：Characteristics



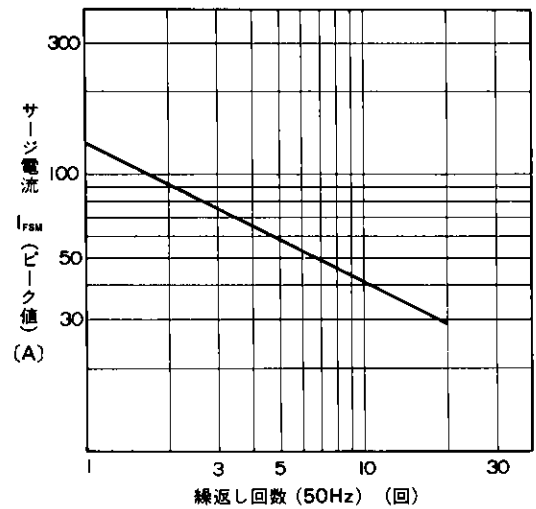
順特性 (代表特性)  
Forward Characteristics



逆特性 (代表特性)  
Reverse Characteristics



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



サージ電流耐量  
Surge Capability

A

For more information, contact:

**Collmer Semiconductor, Inc.**

P.O. Box 702708

Dallas, TX 75370

972-233-1589

972-233-0481 Fax

<http://www.collmer.com>