

D1FS4**40V 1.1A****特長**

- 小型SMD
- PRRSMアバランシエ保証

Feature

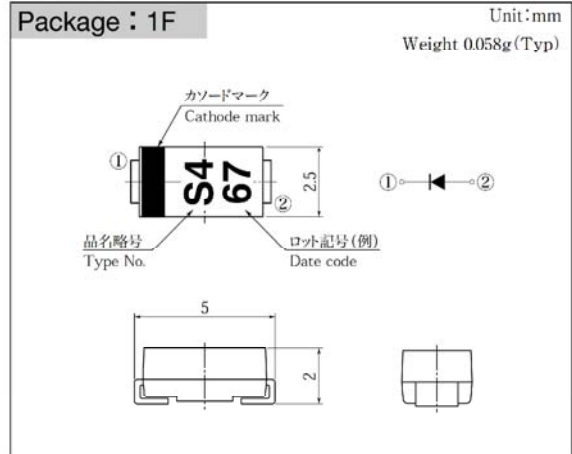
- Small SMD
- PRRSM Rating

用途

- スイッチング電源
- DC/DCコンバータ
- 家電、ゲーム、OA機器
- 通信、ポータブル機器

Main Use

- Switching Regulator
- DC/DC Converter
- Home Appliance, Game, Office Automation
- Communication, Portable set

■外観図 OUTLINE

外形図については新電元Webサイト又は〈半導体製品一覧表〉をご参照下さい。捺印表示については捺印仕様をご確認下さい。

For details of the outline dimensions, refer to our web site or Semiconductor Short Form Catalog. As for the marking, refer to the specification "Marking, Terminal Connection".

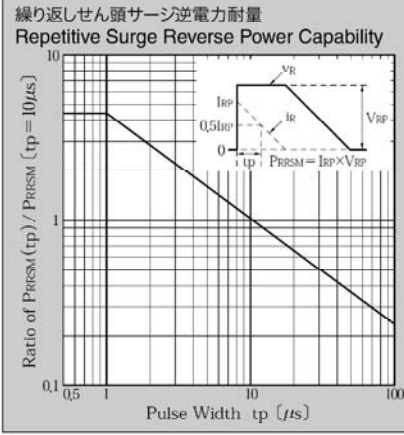
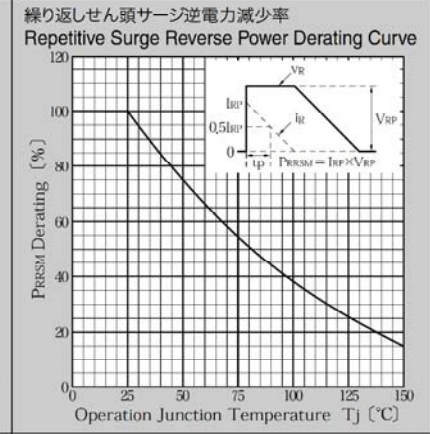
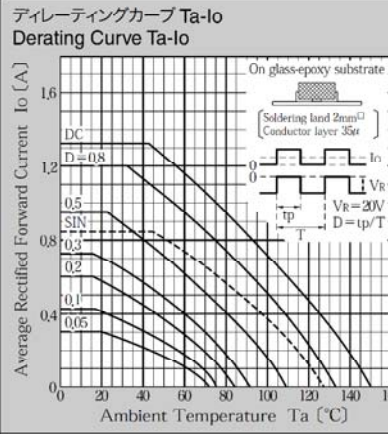
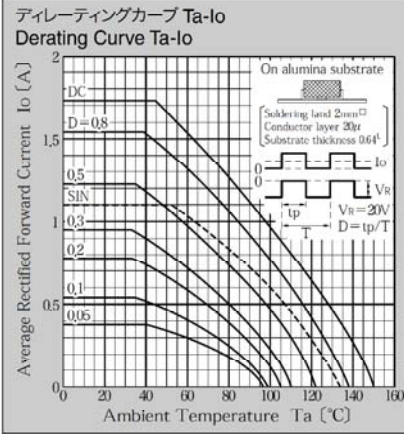
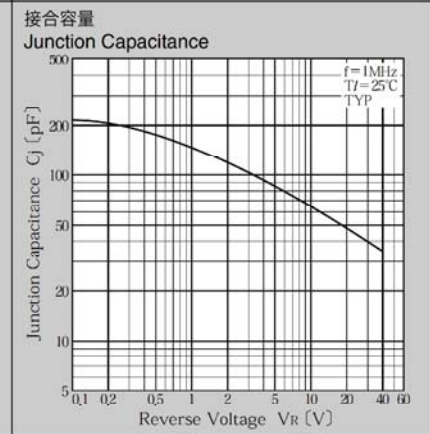
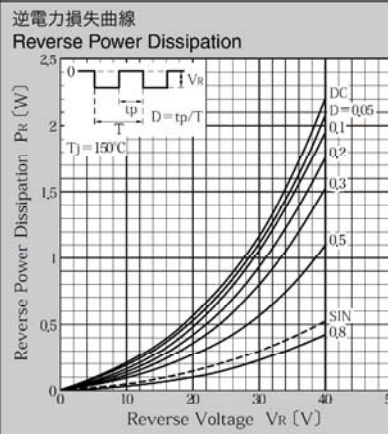
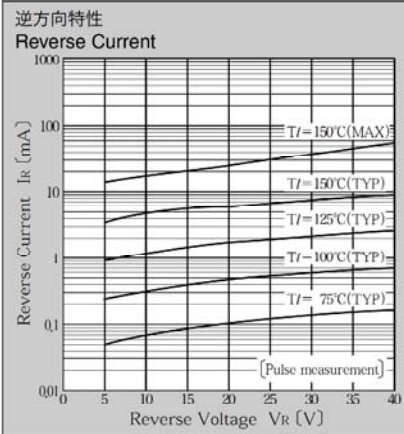
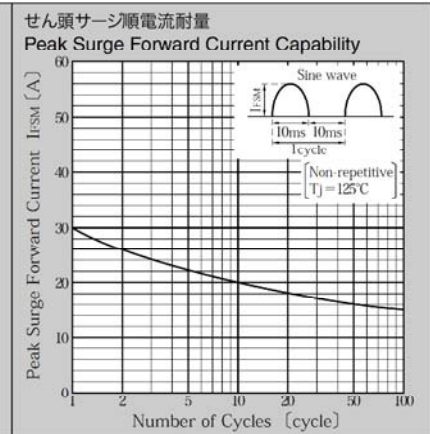
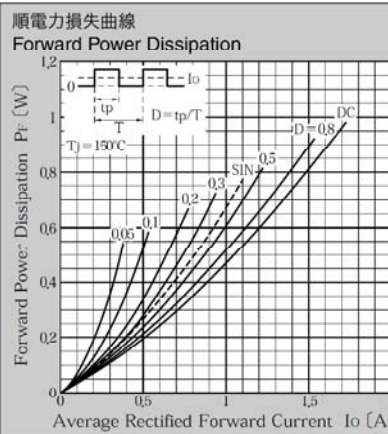
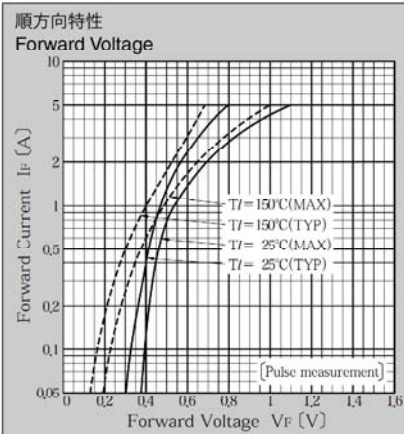
■定格表 RATINGS**●絶対最大定格 Absolute Maximum Ratings (指定のない場合 $T_I = 25^\circ\text{C}$)**

| 項目 Item | 記号 Symbol | 条件 Conditions | 品名 Type No. | D1FS4 | 単位 Unit |
|--|--------------|--|--|-------------|------------------|
| 保存温度 Storage Temperature | T_{stg} | | | -55~150 | $^\circ\text{C}$ |
| 接合部温度 Operation Junction Temperature | T_j | | | 150 | $^\circ\text{C}$ |
| せん頭逆電圧 Maximum Reverse Voltage | V_{RM} | | | 40 | V |
| 繰り返しせん頭サージ逆電圧 Repetitive Peak Surge Reverse Voltage | V_{RRSM} | パルス幅0.5ms, duty 1/40 Pulse width 0.5ms, duty 1/40 | | 45 | V |
| 出力電流 Average Rectified Forward Current | I_o | 50Hz正弦波, 抵抗負荷 50Hz sine wave, Resistance load | $T_a = 51^\circ\text{C}$ アルミナ基板実装 On alumina substrate $T_a = 44^\circ\text{C}$ プリント基板実装 On glass-epoxy substrate | 1.1 0.85 | A |
| せん頭サージ順電流 Peak Surge Forward Current | I_{FSM} | 50Hz正弦波, 非繰り返し1サイクルせん頭値, $T_j = 125^\circ\text{C}$ 50Hz sine wave, Non-repetitive 1 cycle peak value, $T_j = 125^\circ\text{C}$ | | 30 | A |
| 繰り返しせん頭サージ逆電力 Repetitive Peak Surge Reverse Power | P_{RRSM} | パルス幅10 μs , $T_j = 25^\circ\text{C}$ Pulse width 10 μs , $T_j = 25^\circ\text{C}$ | | 60 | W |

●電氣的・熱的特性 Electrical Characteristics (指定のない場合 $T_I = 25^\circ\text{C}$)

| | | | | | |
|------------------------------|---------------|--|--|--------------------|---------------------------|
| 順電圧 Forward Voltage | V_F | $I_F = 1.1\text{A}$, パルス測定 Pulse measurement | | MAX 0.55 | V |
| 逆電流 Reverse Current | I_R | $V_R = V_{RM}$, パルス測定 Pulse measurement | | MAX 1 | mA |
| 接合容量 Junction Capacitance | C_j | $f = 1\text{MHz}$, $V_R = 10\text{V}$ | | TYP 65 | pF |
| 熱抵抗 Thermal Resistance | θ_{jl} | 接合部・リード間 Junction to lead | | MAX 23 | $^\circ\text{C}/\text{W}$ |
| | θ_{ja} | 接合部・周囲間 Junction to ambient | アルミナ基板実装 On alumina substrate プリント基板実装 On glass-epoxy substrate | MAX 108 MAX 157 | |

■特性図 CHARACTERISTIC DIAGRAMS



* Sine waveは50Hzで測定しています。
 * 50Hz sine wave is used for measurements.
 * 半導体製品の特性は一般的にバラツキを持っています。
 Typical is a statistical average of the device's ability.
 * Semiconductor products generally have characteristic variation.
 Typical is a statistical average of the device's ability.

X-ON Electronics

Largest Supplier of Electrical and Electronic Components

Click to view similar products for [Schottky Diodes & Rectifiers](#) category:

Click to view products by [Shindengen](#) manufacturer:

Other Similar products are found below :

[MA4E2039](#) [D1FH3-5063](#) [MBR0530L-TP](#) [MBR10100CT-BP](#) [MBR1545CT](#) [MMBD301M3T5G](#) [RB160M-50TR](#) [RB551V-30](#)
[BAS16E6433HTMA1](#) [BAT 54-02LRH E6327](#) [NSR05F40QNXT5G](#) [NTE555](#) [JANS1N6640](#) [SB07-03C-TB-H](#) [SB1003M3-TL-W](#) [SK310-T](#)
[SK32A-LTP](#) [SK33A-TP](#) [SK34B-TP](#) [SS3003CH-TL-E](#) [GA01SHT18](#) [CRS10I30A\(TE85L,QM](#) [MA4E2501L-1290](#) [MBRB30H30CT-1G](#)
[SB007-03C-TB-E](#) [SK32A-TP](#) [SK33B-TP](#) [SK35A-TP](#) [SK38B-TP](#) [NRVBM120LT1G](#) [NTE505](#) [NTSB30U100CT-1G](#) [SS15E-TP](#) [VS-](#)
[6CWQ10FNHM3](#) [ACDBA1100LR-HF](#) [ACDBA1200-HF](#) [ACDBA140-HF](#) [ACDBA2100-HF](#) [ACDBA3100-HF](#) [CDBQC0530L-HF](#)
[CDBQC0240LR-HF](#) [ACDBA340-HF](#) [ACDBA260LR-HF](#) [ACDBA1100-HF](#) [SK310B-TP](#) [MA4E2502L-1246](#) [MA4E2502H-1246](#)
[NRVBM120ET1G](#) [NSR01L30MXT5G](#) [NTE573](#)