

[查询"DF10NC15"供应商](#)

DF10NC15

150V 10A

特長

- SMD
- 低 $I_R=0.2\text{mA}$
- 熱暴走を起こしにくい

Feature

- SMD
- Low $I_R=0.2\text{mA}$
- Resistance for thermal run-away

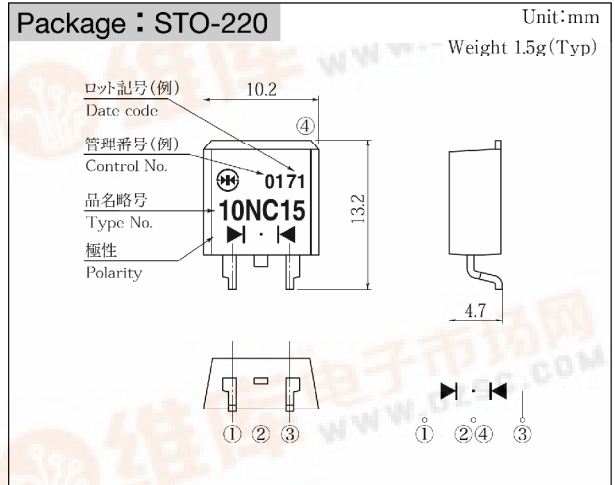
用途

- スイッチング電源
- DC/DC コンバータ
- 家電、OA
- 通信

Main Use

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

■外観図 OUTLINE



外形図については新電元Webサイト又は〈ダイオードカタログ・技術資料編〉を参照下さい。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 the diode technical data book. 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 $T_c = 25^\circ\text{C}$)

| 項目 Item | 記号 Symbol | 条件 Conditions | 品名 Type No. | DF10NC15 | 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} | | | 150 | V |
| 出力電流 Average Rectified Forward Current | I_o | 50Hz正弦波, 抵抗負荷, 1素子当りの出力電流平均値 $I_o/2$, $T_c = 123^\circ\text{C}$ 50Hz sine wave, Resistance load, Per diode $I_o/2$, $T_c = 123^\circ\text{C}$ | | 10 | 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, $T_j = 25^\circ\text{C}$ 50Hz sine wave, Non-repetitive 1 cycle peak value, $T_j = 25^\circ\text{C}$ | | 100 | A |

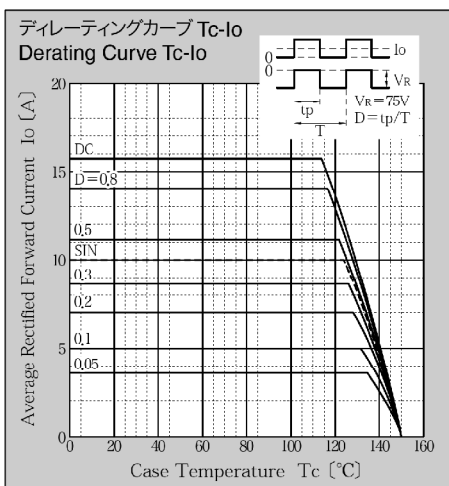
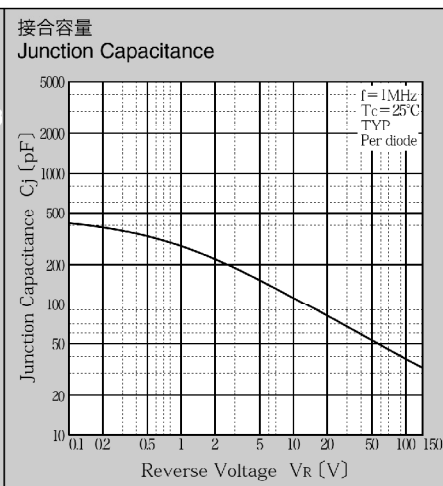
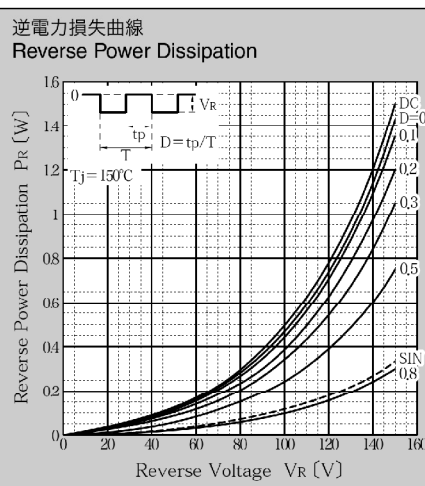
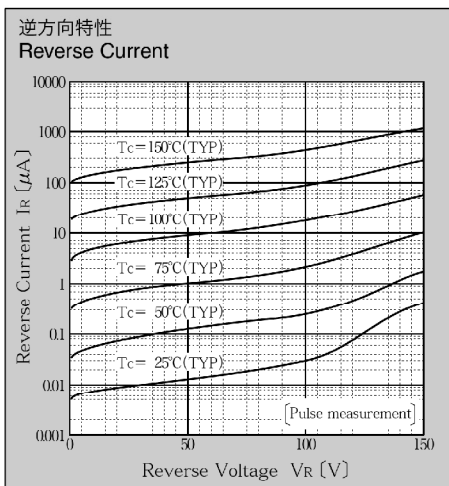
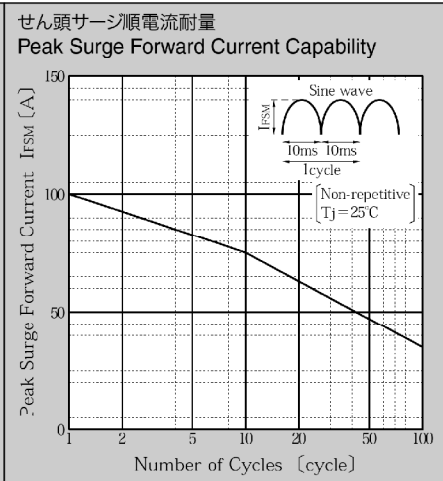
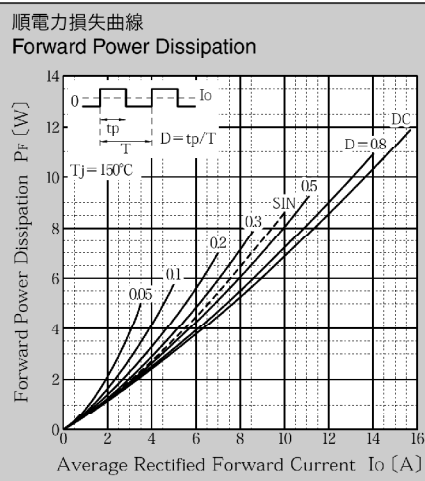
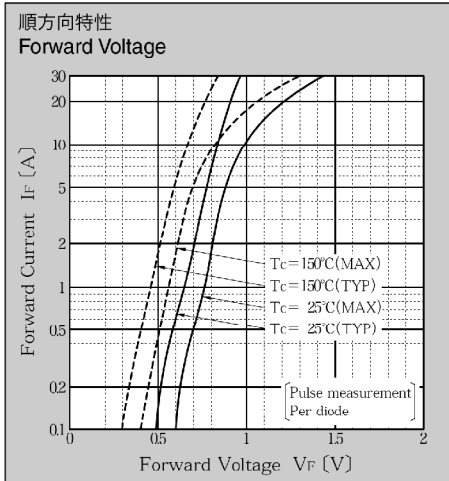
●電氣的・熱的特性 Electrical Characteristics (指定のない場合 $T_c = 25^\circ\text{C}$)

| | | | | | |
|------------------------------|---------------|---|--|----------|--------------------|
| 順電圧 Forward Voltage | V_F | $I_F = 5\text{A}$, パルス測定, 1素子当りの規格値 Pulse measurement, Per diode | | MAX 0.88 | V |
| 逆電流 Reverse Current | I_R | $V_R = V_{RM}$, パルス測定, 1素子当りの規格値 Pulse measurement, Per diode | | MAX 0.2 | mA |
| 接合容量 Junction Capacitance | C_j | $f = 1\text{MHz}$, $V_R = 10\text{V}$, 1素子当りの規格値 Per diode | | TYP 110 | pF |
| 熱抵抗 Thermal Resistance | θ_{jc} | 接合部・ケース間 Junction to case | | MAX 3.0 | $^\circ\text{C/W}$ |

Center Tap Common Cathode

查询"DF10NC15"供应商

特性图 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は統計的な実力を表しています。
* Semiconductor products generally have characteristic variation.
Typical is a statistical average of the device's ability.