

DE10P3

30V 10A

特長

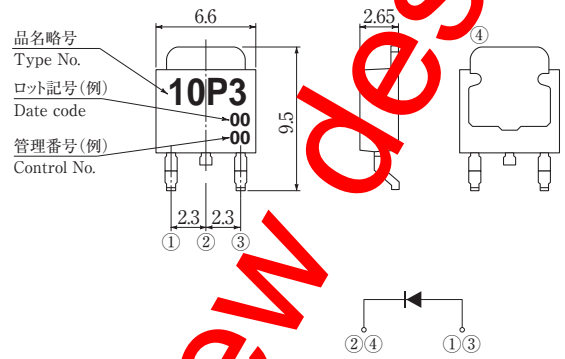
- SMD
- 高速スイッチング
- 低 V_f

Feature

- SMD
- High Recovery Speed
- Low V_f

■ 外観図 OUTLINE

Package : E-pack



外形図については新製品のWebサイトをご参照下さい。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. As for the marking, refer to the specification "Marking, Terminal Connection".

■ 定格表 RATINGS

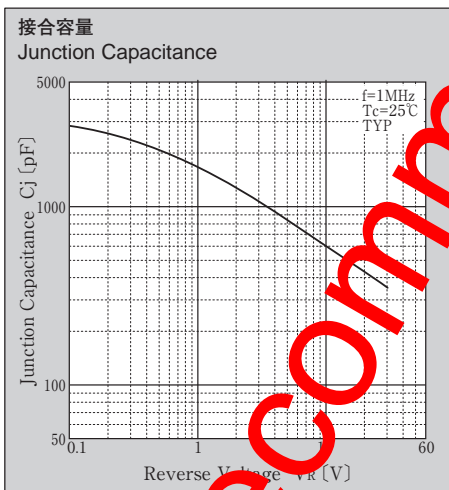
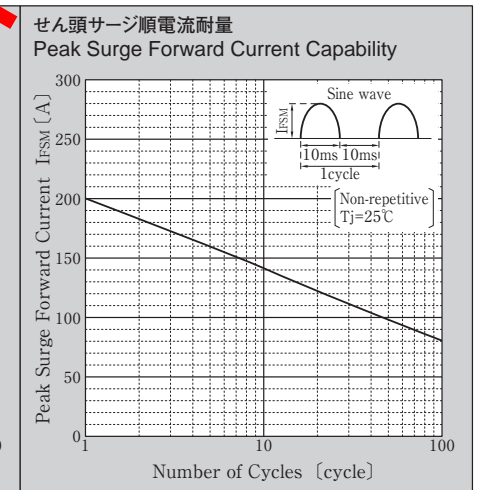
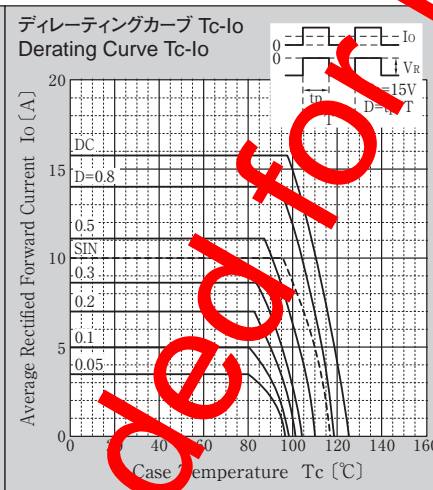
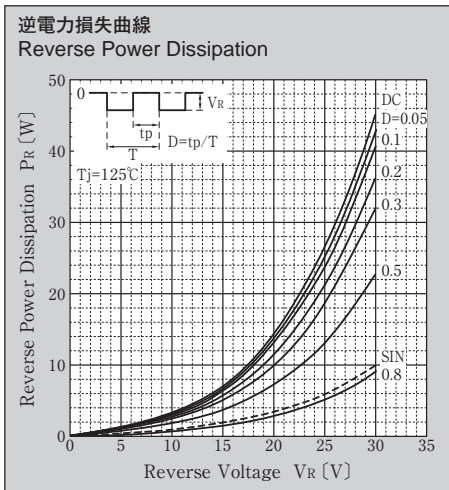
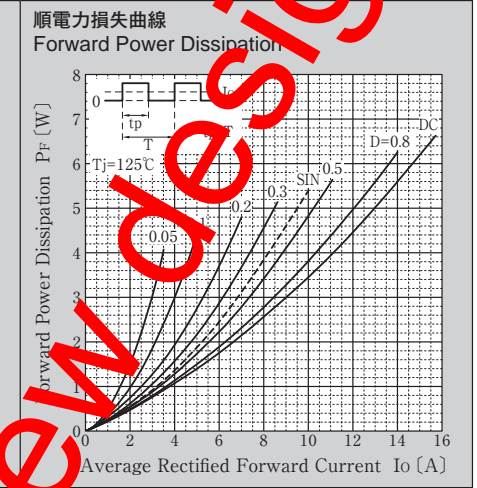
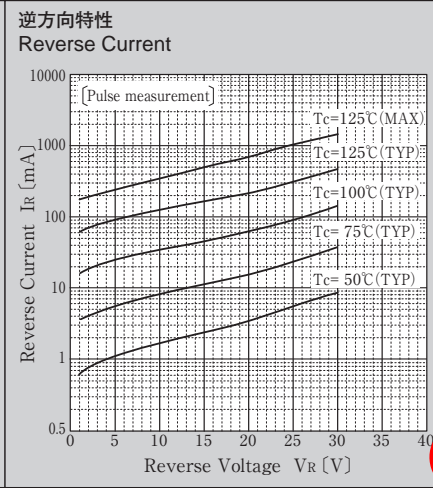
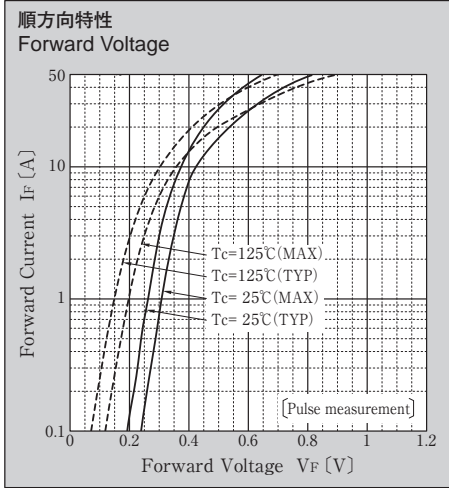
● 絶対最大定格 Absolute Maximum Ratings (指定のない場合 $T_c = 25^\circ\text{C}$ / unless otherwise specified)

項目 Item	記号 Symbol	条件 Condition	規格値 Ratings	単位 Unit
保存温度 Storage Temperature	T_{stg}		-55~125	$^\circ\text{C}$
接合部温度 Operating Junction Temperature	T_j		125	$^\circ\text{C}$
せん頭逆電圧 Maximum Reverse Voltage	V_{RM}		30	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	35	V
出力電流 Average Rectified Forward Current	I_o	50Hz 正弦波, 抵抗負荷, $T_c = 25^\circ\text{C}$ 50Hz sine wave, Resistive load, $T_c = 25^\circ\text{C}$	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, $T_j = 25^\circ\text{C}$	200	A

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

順電圧 Forward Voltage	V_F	$I_F = 8\text{A}$, パルス測定 Pulse measurement	MAX 0.40	V
逆電流 Reverse Current	I_R	$V_R = 30\text{V}$, パルス測定 Pulse measurement	MAX 25	mA
接合容量 Junction Capacitance	C_j	$f = 1\text{MHz}$, $V_R = 10\text{V}$	TYP 600	pF
熱抵抗 Thermal Resistance	θ_{jc}	接合部からケース間 Junction to case	MAX 4.0	$^\circ\text{C/W}$

■特性図 CHARACTERISTIC DIAGRAMS



* Sine wave は 50Hz で測定しています。
* 50Hz sine wave is used for measurements.