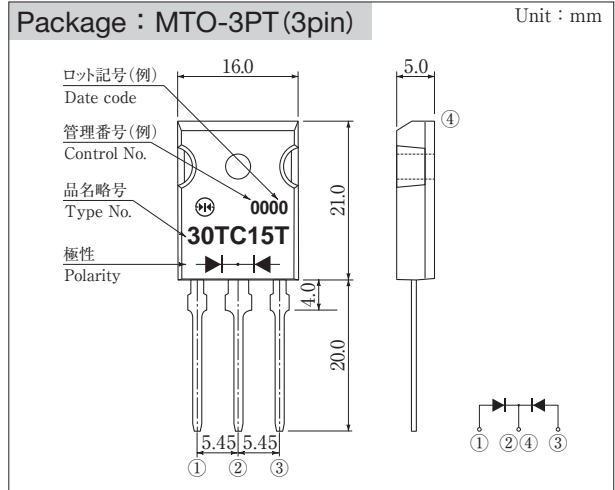


**S30TC15T****150V 30A****特長**

- 低  $V_F$
- 低ノイズ
- 高速スイッチング

**Feature**

- Low  $V_F$
- Low Noise
- High Recovery Speed

**■ 外観図 OUTLINE**

外形図については新電元 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".

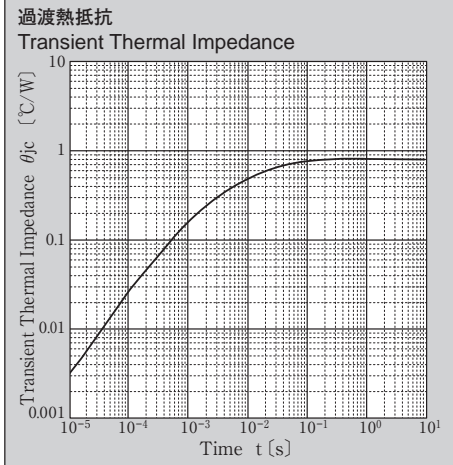
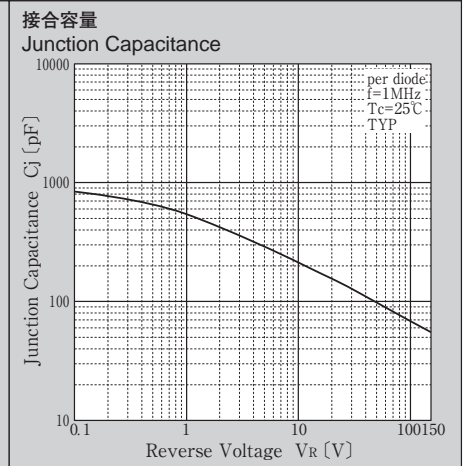
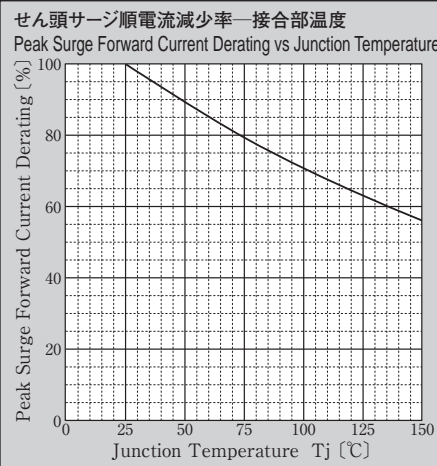
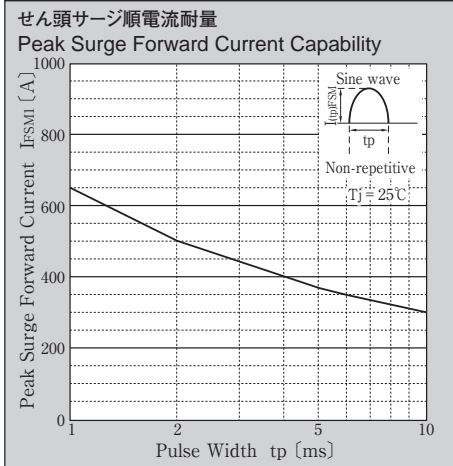
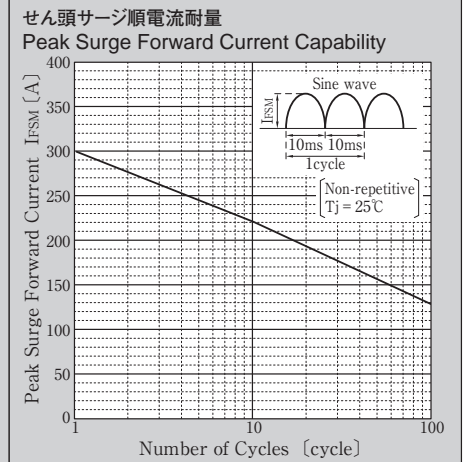
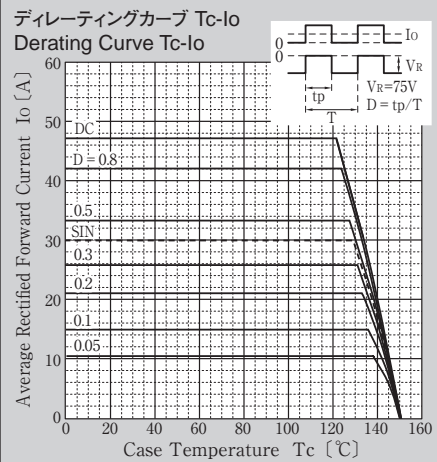
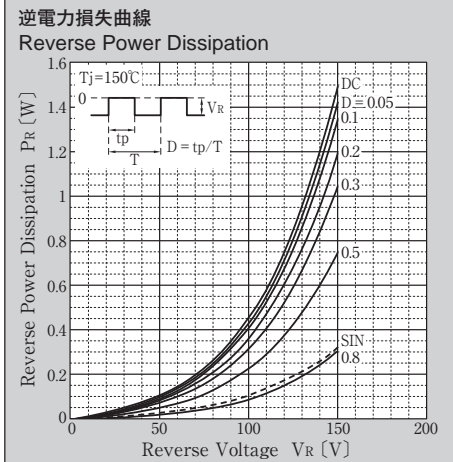
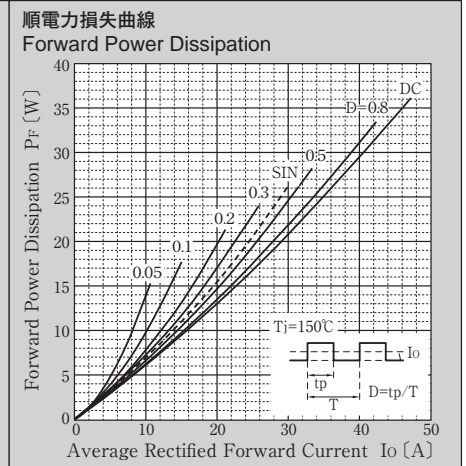
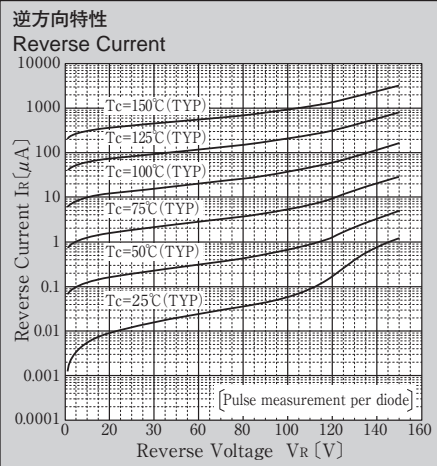
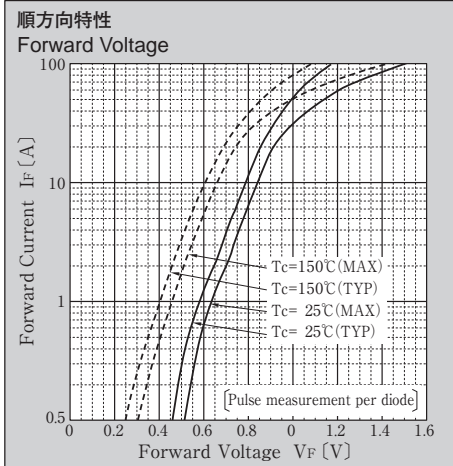
**■ 定格表 RATINGS****● 絶対最大定格 Absolute Maximum Ratings (指定のない場合は  $T_c = 25^\circ\text{C}$  / unless otherwise specified)**

項目 Item	記号 Symbol	条件 Conditions	規格値 Ratings	単位 Unit
保存温度 Storage Temperature	$T_{stg}$		- 55 ~ 150	$^\circ\text{C}$
接合部温度 Operating 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, 一素子当りの出力電流平均値 $I_o/2$ , $T_c=128^\circ\text{C}$ 50Hz sine wave, Resistance load, Rating for each diode $I_o/2$ , $T_c=128^\circ\text{C}$	30	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, $T_j=25^\circ\text{C}$	300	A
	$I_{FSM1}$	$t_p=1\text{ms}$ 正弦波, 非繰り返し 1 サイクルせん頭値, $T_j=25^\circ\text{C}$ $t_p=1\text{ms}$ Sine wave, Non-repetitive 1 cycle peak value, $T_j=25^\circ\text{C}$	650	
締め付けトルク Mounting Torque	TOR	(推奨値 : $0.5\text{N}\cdot\text{m}$ ) (Recommended torque : $0.5\text{N}\cdot\text{m}$ )	0.8	$\text{N}\cdot\text{m}$

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

順電圧 Forward Voltage	$V_F$	$I_F = 15\text{A}$ , パルス測定, 一素子当りの規格値 Pulse measurement, Per diode	TYP 0.82 MAX 0.88	V
逆電流 Reverse Current	$I_R$	$V_R = 150\text{V}$ , パルス測定, 一素子当りの規格値 Pulse measurement, Per diode	MAX 40	$\mu\text{A}$
接合容量 Junction Capacitance	$C_j$	$f = 1\text{MHz}$ , $V_R = 10\text{V}$ 一素子当りの規格値 Per diode	TYP 209	pF
熱抵抗 Thermal Resistance	$\theta_{jc}$	接合部・ケース間 Junction to case	MAX 0.8	$^\circ\text{C}/\text{W}$

■特性図 CHARACTERISTIC DIAGRAMS



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