

S20LC30T

300V 20A

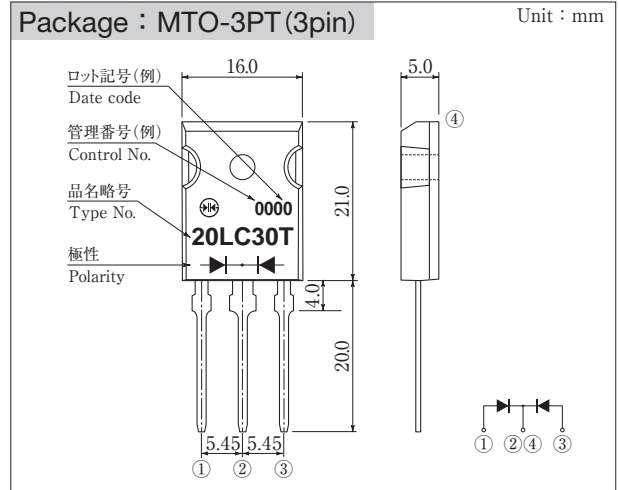
特長

- 低ノイズ
- $t_{rr} = 30\text{ns}$

Feature

- Low Noise
- $t_{rr}=30\text{ns}$

■ 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

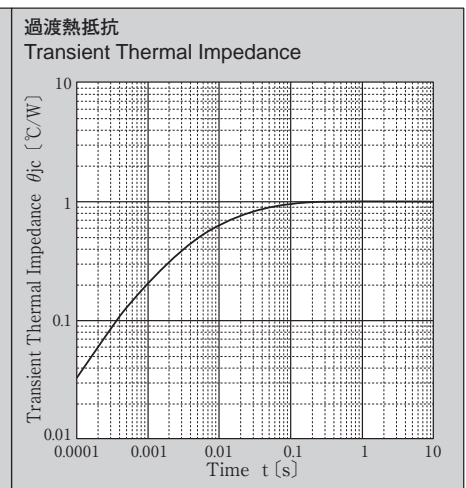
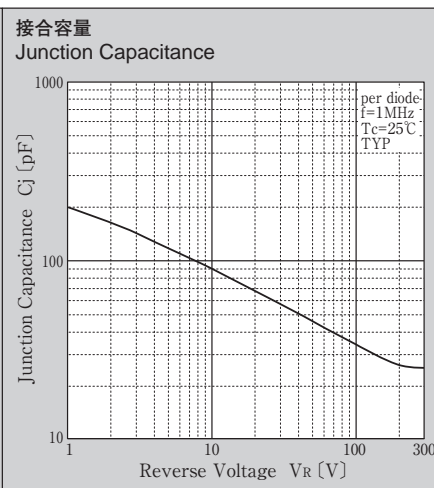
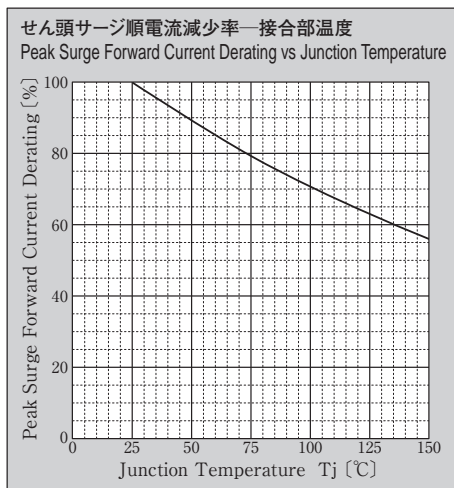
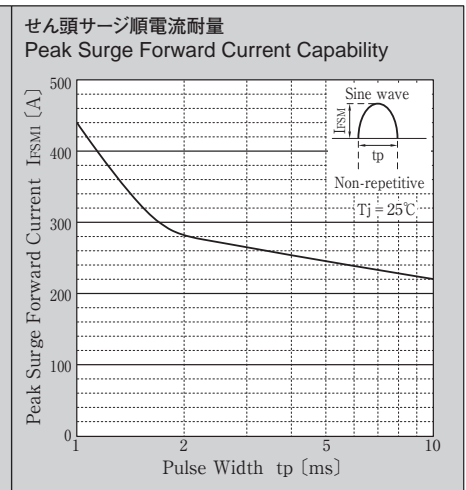
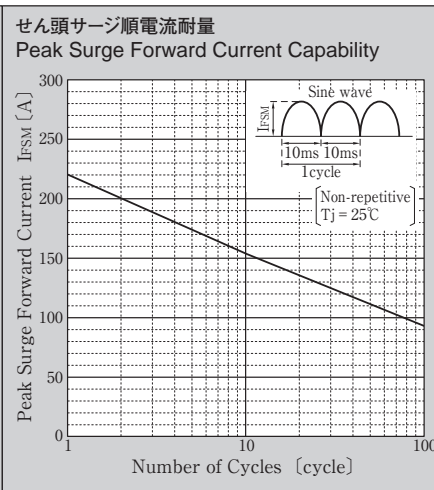
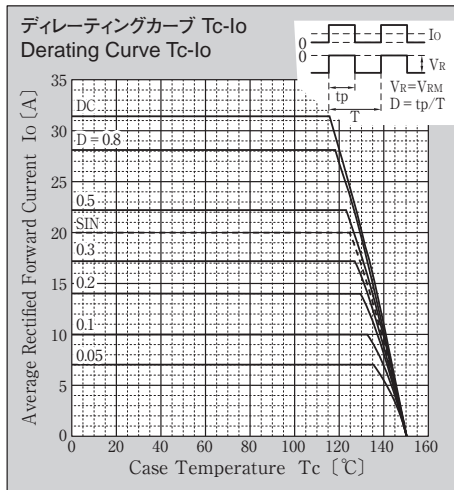
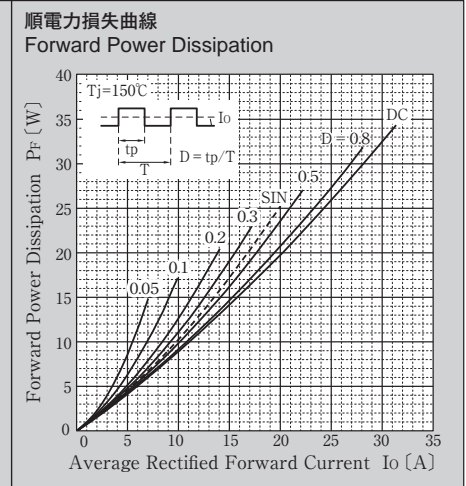
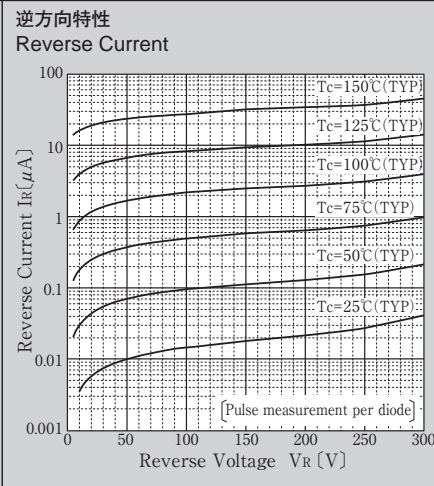
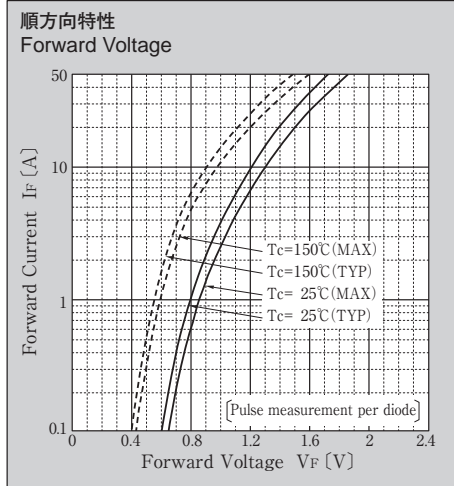
● 絶対最大定格 Absolute Maximum Ratings (指定のない場合は $T_c = 25^\circ\text{C}$ / unless otherwise specified)

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}		300	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 $I_o/2$, $T_c=124^\circ\text{C}$ 50Hz sine wave, Resistance load, Rating for each diode $I_o/2$, $T_c=124^\circ\text{C}$	20	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, $T_j=25^\circ\text{C}$	220	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, $T_j=25^\circ\text{C}$	440	
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	$I_F = 10\text{A}$, パルス測定, 一素子当りの規格値 Pulse measurement, Per diode	TYP 1.21 MAX 1.30	V
逆電流 Reverse Current	I_R	$V_R = 300\text{V}$, パルス測定, 一素子当りの規格値 Pulse measurement, Per diode	MAX 25	μA
巡回復時間 Reverse Recovery Time	t_{rr}	$I_F = 0.5\text{A}$, $I_R = 1.0\text{A}$, $0.25 I_R$ 一素子当りの規格値 Per diode	MAX 30	ns
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 90	pF
熱抵抗 Thermal Resistance	θ_{jc}	接合部・ケース間 Junction to case	MAX 1.0	$^\circ\text{C}/\text{W}$

■特性図 CHARACTERISTIC DIAGRAMS



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