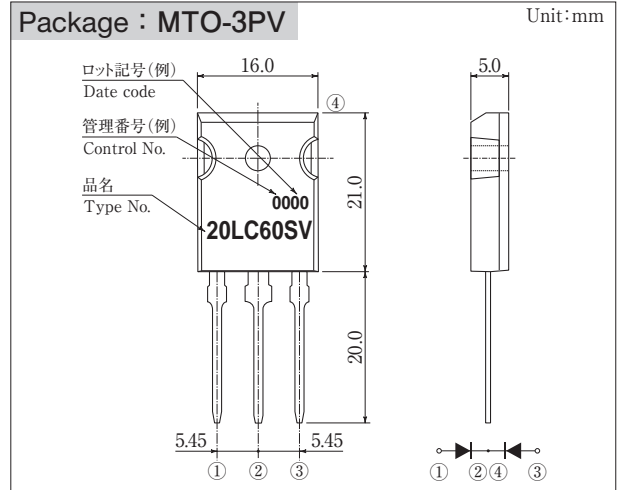


S20LC60USV**600V 20A****特長**

- 高速スイッチング

Feature

- 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".

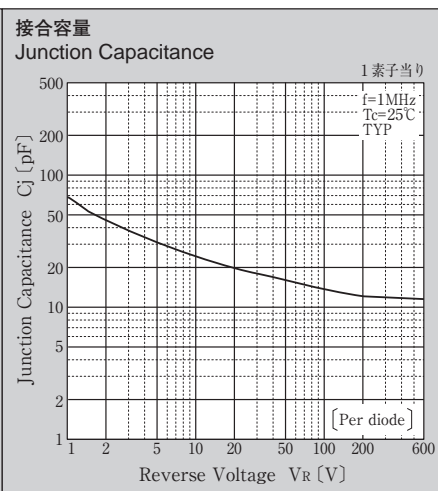
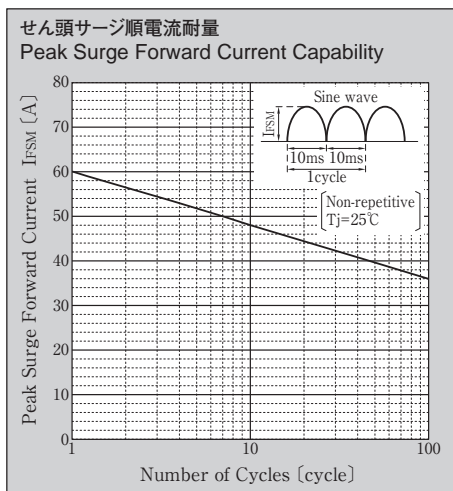
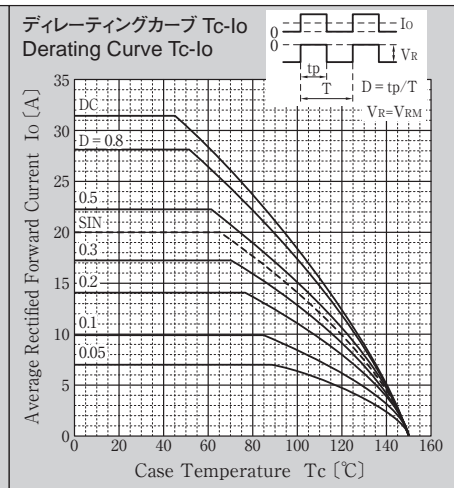
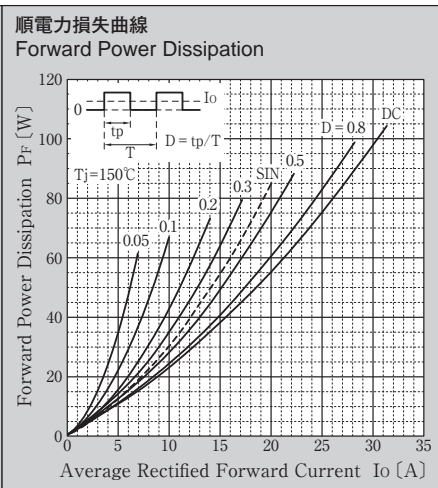
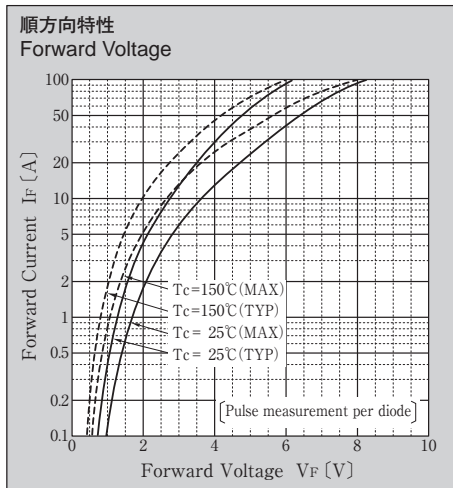
定格表 RATINGS●絶対最大定格 Absolute Maximum Ratings (指定のない場合 $T_c = 25^\circ\text{C}$)

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 Operation Junction Temperature	T_j		150	$^\circ\text{C}$
せん頭逆電圧 Maximum Reverse Voltage	V_{RM}		600	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 $I_o/2$, $T_c = 65^\circ\text{C}$ 50Hz sine wave, Resistance load, Rating for each diode $I_o/2$, $T_c = 65^\circ\text{C}$	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, 1素子当りの規格値 $T_j = 25^\circ\text{C}$ 50Hz sine wave, Non-repetitive 1 cycle peak value, Rating of per diode $T_j = 25^\circ\text{C}$	60	A
電流二乗時間積 Current Squared Time	I^2t	$1\text{ms} \leq t < 10\text{ms}$, $T_j = 25^\circ\text{C}$, 1素子当りの規格値 $1\text{ms} \leq t < 10\text{ms}$, $T_j = 25^\circ\text{C}$, Rating of per diode	18	A^2s
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 $T_c = 25^\circ\text{C}$)

順電圧 Forward Voltage	V_F	$I_F = 10\text{A}$,	パルス測定, 1素子当りの規格値 Pulse measurement, Per diode	MAX 3.6	V
逆電流 Reverse Current	I_R	$V_R = 600\text{V}$,	パルス測定, 1素子当りの規格値 Pulse measurement, Per diode	MAX 50	μA
逆回復時間 Reverse Recovery Time	t_{rr}	$I_F = 0.5\text{A}$, $I_R = 1\text{A}$	(回復点90%), 1素子当りの規格値 (Recovery point 90%), Per diode	MAX 25	ns
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 24	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.