

S20LC40UT

400V 20A

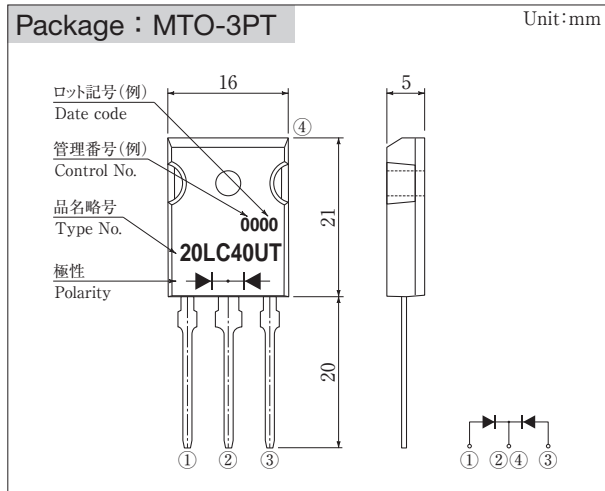
特長

- 高速スイッチング
- 高耐圧

Feature

- High Recovery Speed
- High Voltage

■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

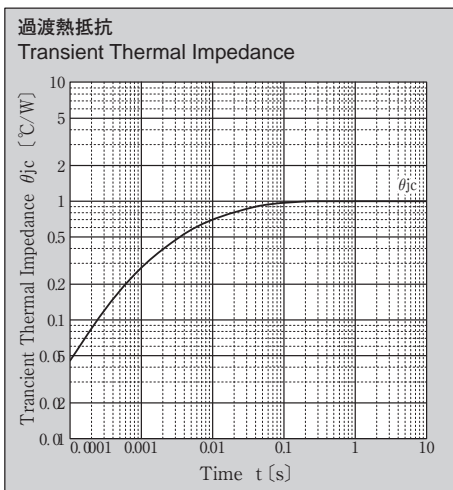
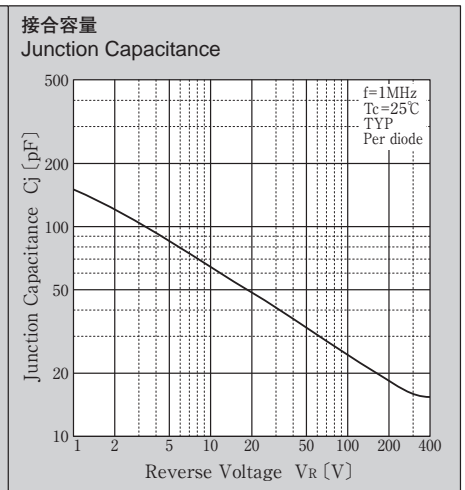
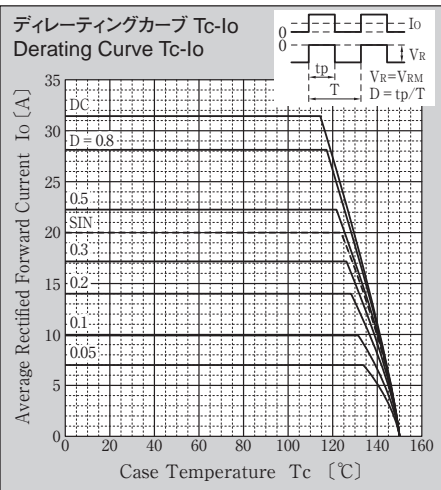
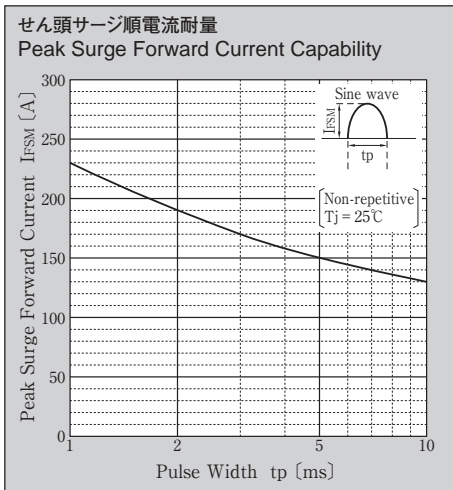
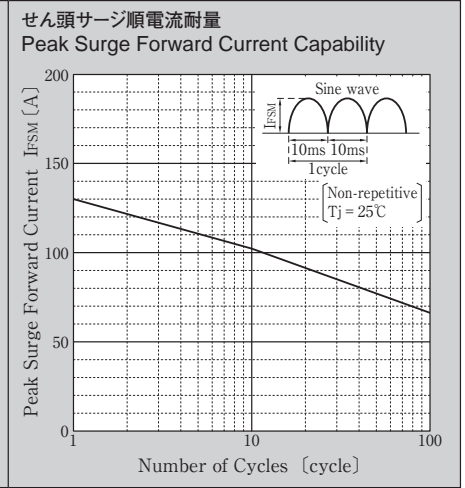
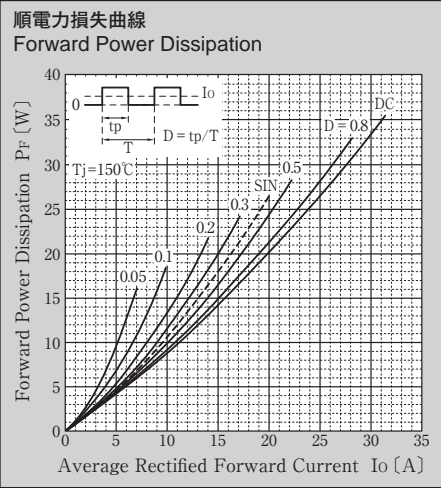
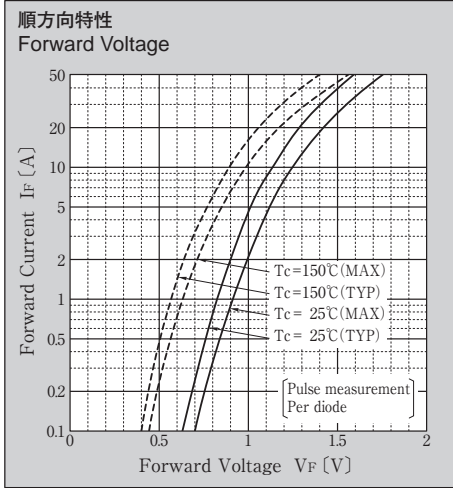
●絶対最大定格 Absolute Maximum Ratings (指定のない場合 $T_c = 25^\circ\text{C}$)

項目 Item	記号 Symbol	条件 Conditions	規格値 Ratings	単位 Unit
保存温度 Storage Temperature	Tstg		-55~150	°C
接合部温度 Operation Junction Temperature	Tj		150	°C
せん頭逆電圧 Maximum Reverse Voltage	V _{RM}		400	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°C 50Hz sine wave, Resistance load, Rating for each diode I _O /2, T _c = 123°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°C 50Hz sine wave, Non-repetitive 1 cycle peak value, T _j = 25°C	130	A
	I _{FSM1}	tp = 1ms, T _j = 25°C, 非繰り返し tp = 1ms, T _j = 25°C, Non-repetitive	230	
締め付けトルク Mounting Torque	TOR	(推奨値: 0.5N·m) (Recommended torque: 0.5N·m)	0.8	N·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 = 10A, パルス測定, 1素子当りの規格値 Pulse measurement, Per diode	MAX 1.25 TYP 1.07	V
逆電流 Reverse Current	I _R	V _R = 400V, パルス測定, 1素子当りの規格値 Pulse measurement, Per diode	MAX 10	μA
逆回復時間 Reverse Recovery Time	trr	I _F = 0.5A, I _R = 1A, 0.25 I _R , 1素子当りの規格値 Per diode	MAX 30	ns
接合容量 Junction Capacitance	C _j	f = 1MHz, V _R = 10V, 1素子当りの規格値 Per diode	TYP 65	pF
熱抵抗 Thermal Resistance	θ _{jc}	接合部・ケース間, フィン付き Junction to case, with heatsink	MAX 1.0	°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.