

SF10KC60M

600V 10A

特長

- 高耐圧
- ソフトリカバリー
- 低V_F

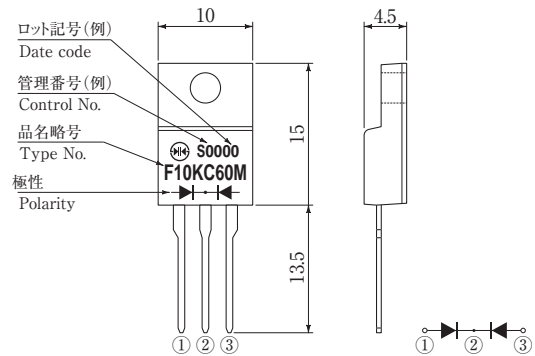
Feature

- High Voltage
- Soft Recovery
- Low V_F

■外観図 OUTLINE

Package : FTO-220AG

Unit:mm



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

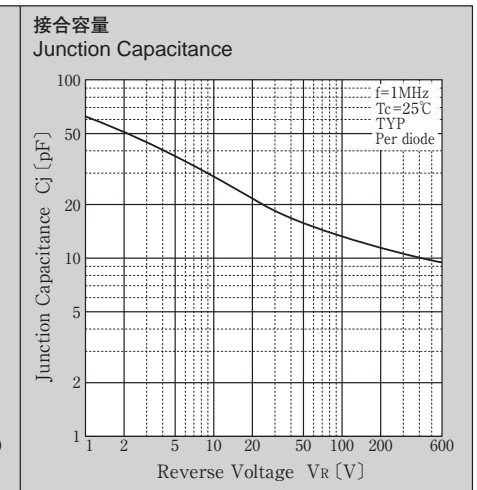
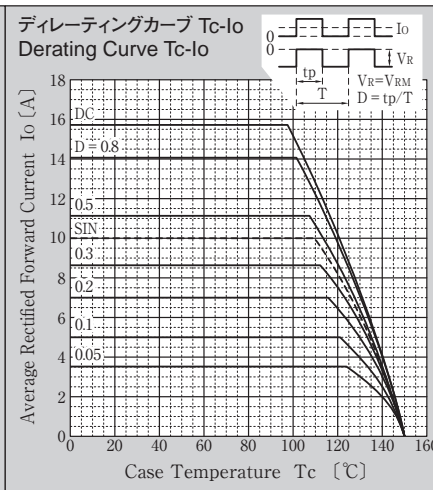
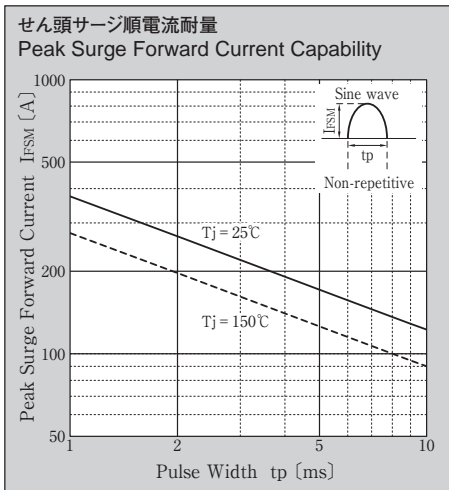
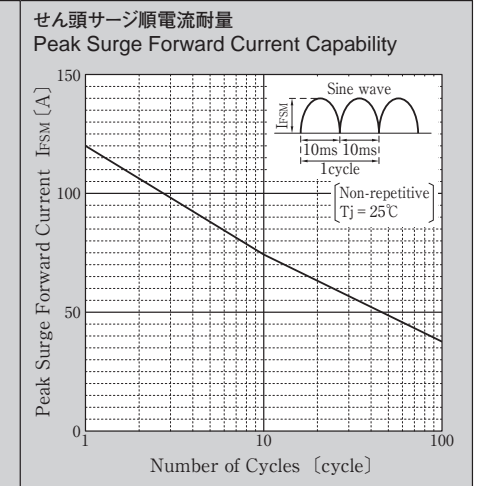
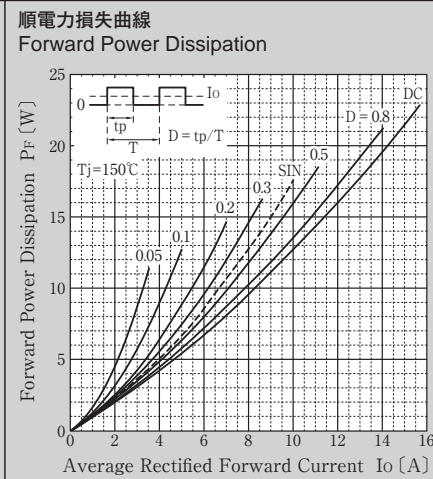
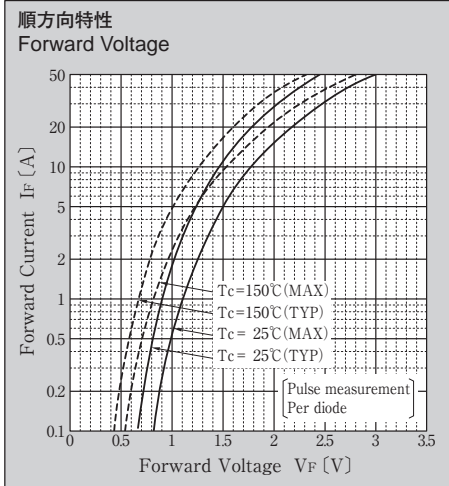
●絶対最大定格 Absolute Maximum Ratings (指定のない場合 T_c = 25°C)

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	°C
接合部温度 Operation Junction Temperature	T _j		150	°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 = 109°C 50Hz sine wave, Resistance load, Rating for each diode I _o /2, T _c = 109°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°C 50Hz sine wave, Non-repetitive 1 cycle peak value, T _j = 25°C	120	A
	I _{FSM1}	tp = 1ms 正弦波, 非繰り返し1サイクルせん頭値, T _j = 25°C tp = 1ms Sine wave, Non-repetitive 1 cycle peak value, T _j = 25°C	379	
絶縁耐圧 Dielectric Strength	V _{dis}	一括端子・ケース間, AC 1分間印加 Terminals to case, AC 1 minute	2.0	kV
締め付けトルク Mounting Torque	TOR	(推奨値 : 0.3N・m) (Recommended torque : 0.3N・m)	0.5	N・m

●電氣的・熱的特性 Electrical Characteristics (指定のない場合 T_c = 25°C)

順電圧 Forward Voltage	V _F	I _F = 0.5A, パルス測定, 1素子当りの規格値 Pulse measurement, Per diode	TYP 0.81	V
		I _F = 5.0A, パルス測定, 1素子当りの規格値 Pulse measurement, Per diode	MAX 1.50 TYP 1.23	
逆電流 Reverse Current	I _R	V _R = 600V, 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 = 1.0A, 0.25 I _R 1素子当りの規格値 Per diode	MAX 85	ns
		I _F = 1.0A, V _R = 30V, di/dt = -50A/μs, 0.25 I _R 1素子当りの規格値 Per diode	MAX 68	
		I _F = 1.0A, V _R = 420V, di/dt = -50A/μs, 0.25 I _R 1素子当りの規格値 Per diode	MAX 78	
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 28	pF
熱抵抗 Thermal Resistance	θ _{jc}	接合部・ケース間 Junction to case	MAX 2.3	°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.