

ST20-27F2

27V 2000W

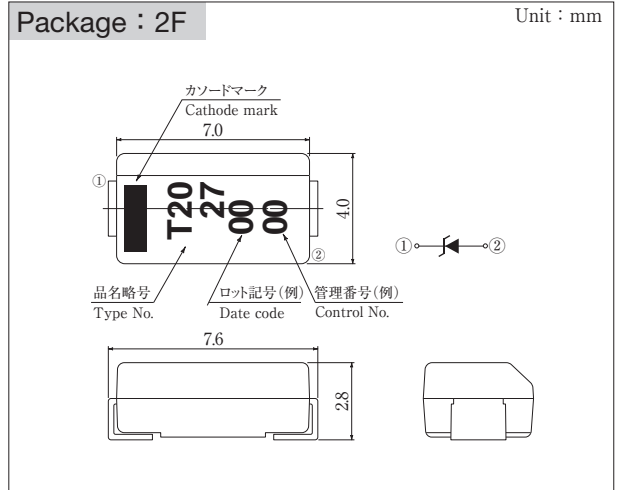
特長

- 3W クラス
- SMD
- 車載用途も対応可能

Feature

- 3W Class
- SMD
- Available for automotive

■ 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".

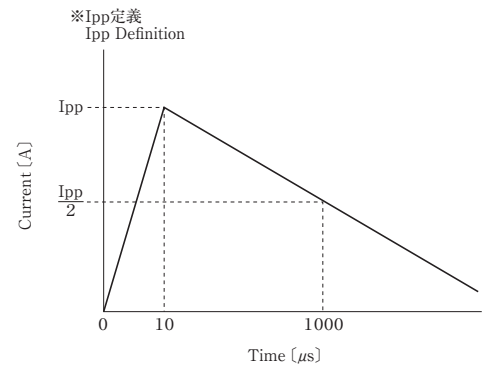
■ 定格表 RATINGS

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

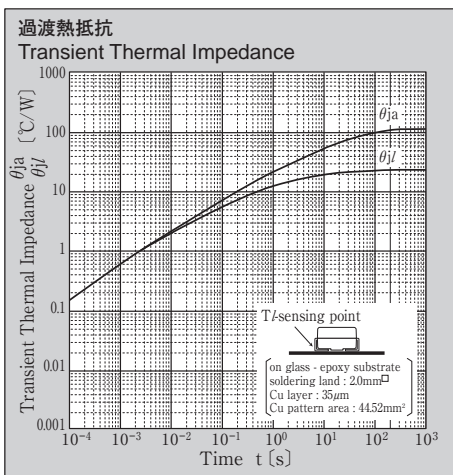
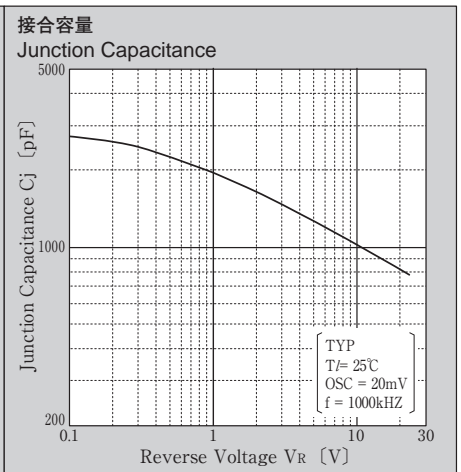
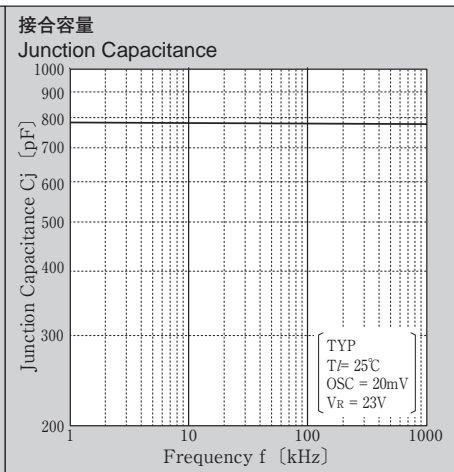
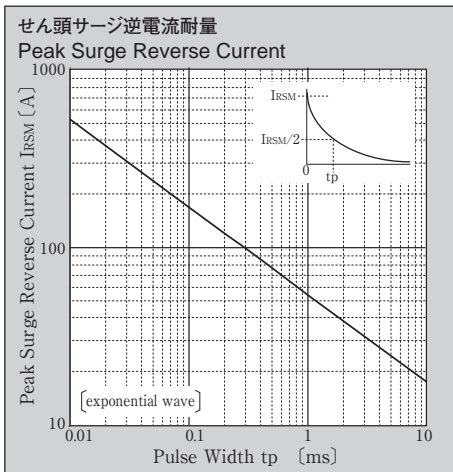
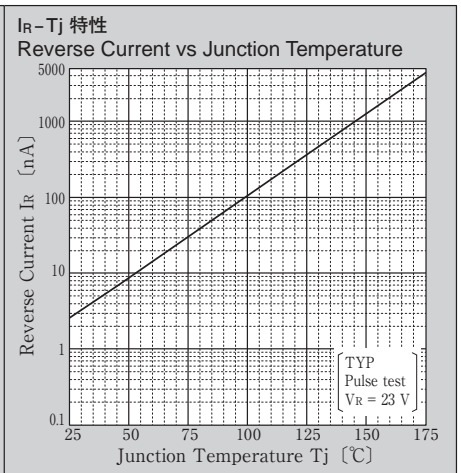
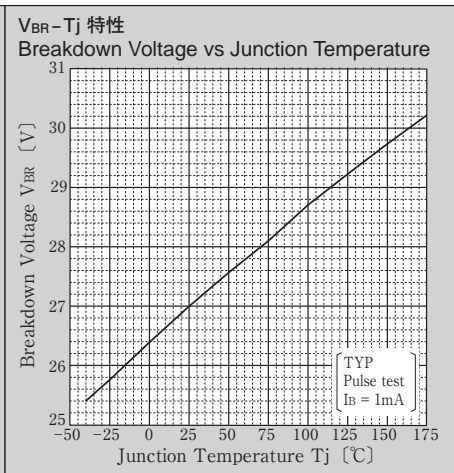
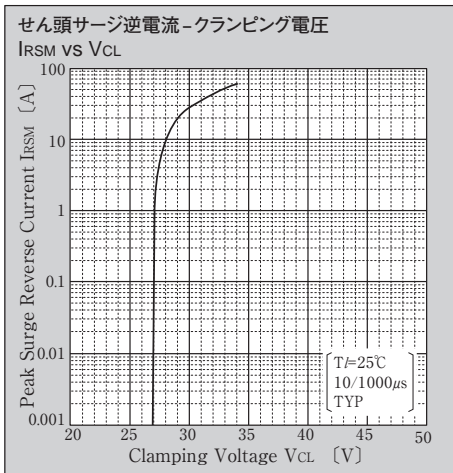
項目 Item	記号 Symbol	条件 Conditions	規格値 Ratings	単位 Unit
保存温度 Storage Temperature	T_{stg}		- 55 ~ 175	$^\circ\text{C}$
接合部温度 Operation Junction Temperature	T_j		175	$^\circ\text{C}$
せん頭サージ逆電流 Maximum Surge Reverse Current	I_{RSM}	10/1000 μs 非繰り返し 10/1000 μs Non-repetitive	54	A
せん頭サージ逆電力 Maximum Surge Reverse Power	P_{RSM}	10/1000 μs 非繰り返し 10/1000 μs Non-repetitive	2000	W
連続印加電圧 Maximum Reverse Voltage	V_{RM}		23	V

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

動作開始電圧 Movement Start Voltage	V_{BR}	$I_R = 1\text{mA}$	MIN 24.3 TYP 27.0 MAX 29.7	V
制限電圧 Clamping Voltage	V_{CL}	10/1000 μs , $I_{pp} = 54\text{A}$	MAX 37	V
漏れ電流 Leakage Current	I_R	$V_R = 23\text{V}$, パルス測定 Pulse measurement	MAX 5.0	μA
熱抵抗 Thermal Resistance	θ_{jl}	接合部・リード間, プリント基板実装 Junction to lead, On glass-epoxy substrate	MAX 23	$^\circ\text{C}/\text{W}$
	θ_{ja}	接合部・周囲間, プリント基板実装 Junction to ambient, On glass-epoxy substrate	MAX 115	
温度係数 Temperature Coefficient	r_z		MAX 0.12	$\% / ^\circ\text{C}$



■特性図 CHARACTERISTIC DIAGRAMS



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