

ST04-33F1

33V 400W

## 特長

- 1 Wクラス
- 小型SMD
- 車載用途も対応可能

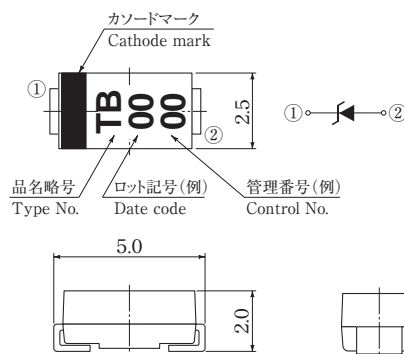
## Feature

- 1W Class
- Small SMD
- Available for automotive

## ■ 外観図 OUTLINE

Package : 1F

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".

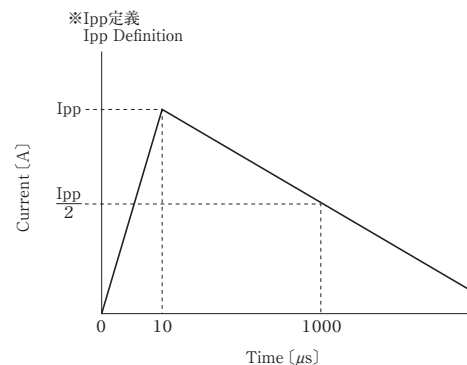
## ■ 定格表 RATINGS

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

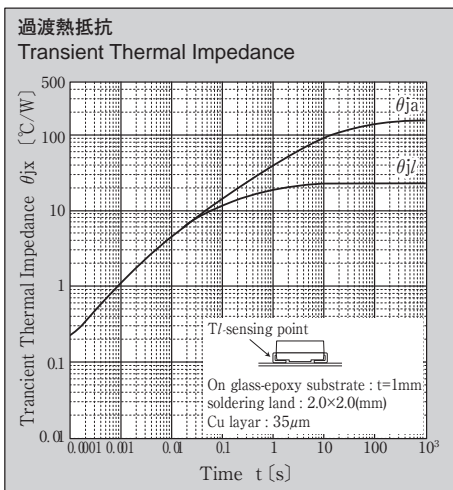
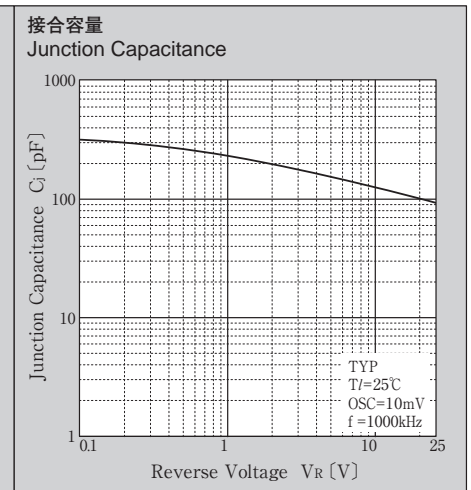
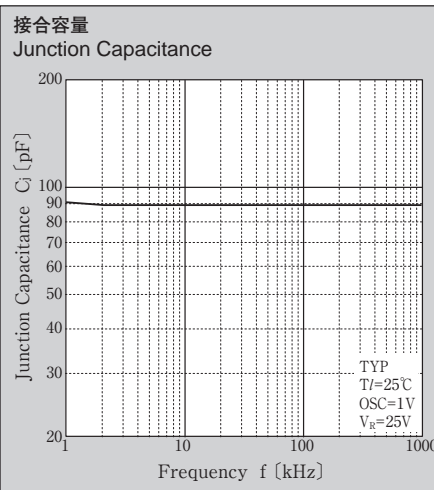
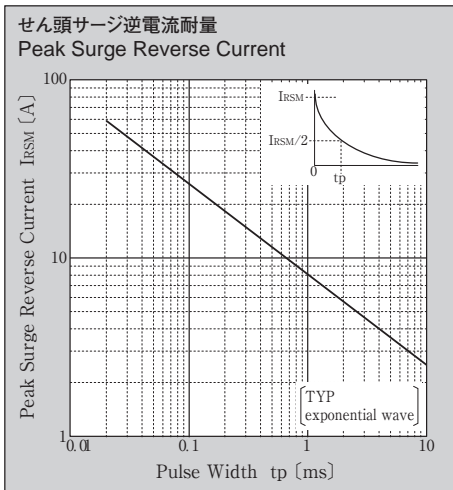
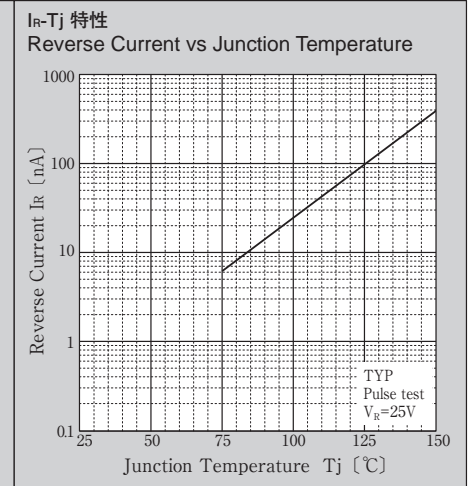
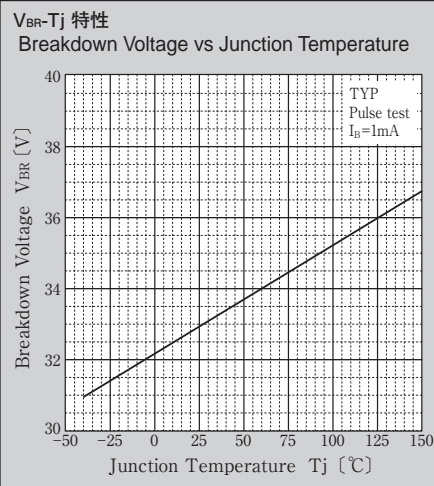
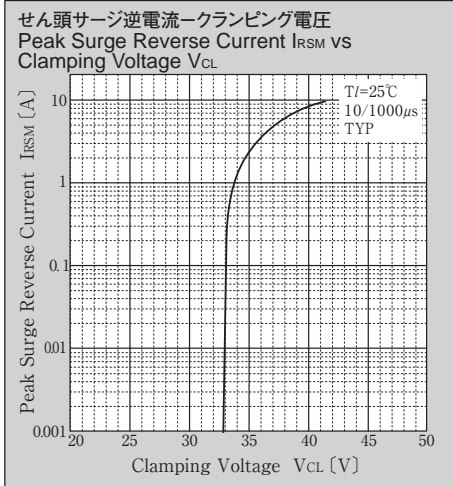
項目 Item	記号 Symbol	条件 Conditions	規格値 Ratings	単位 Unit
保存温度 Storage Temperature	$T_{stg}$		-40~150	$^\circ\text{C}$
接合部温度 Operation Junction Temperature	$T_j$		150	$^\circ\text{C}$
せん頭サージ逆電流 Maximum Surge Reverse Current	$I_{RSM}$	10/1000 $\mu\text{s}$ 非繰り返し 10/1000 $\mu\text{s}$ Non-repetitive	8	A
せん頭サージ逆電力 Maximum Surge Reverse Power	$P_{RSM}$	10/1000 $\mu\text{s}$ 非繰り返し 10/1000 $\mu\text{s}$ Non-repetitive	400	W
連続印加電圧 Maximum Reverse Voltage	$V_{RM}$		25	V

● 電気的・熱的特性 Electrical Characteristics (指定のない場合  $T_l = 25^\circ\text{C}$ )

動作開始電圧 Movement Start Voltage	$V_{BR}$	$I_R = 1\text{mA}$	MIN 31.0 TYP 33.0 MAX 35.0	V
制限電圧 Clamping Voltage	$V_{CL}$	10/1000 $\mu\text{s}$ , $I_{pp} = 8\text{A}$ ※	50	V
漏れ電流 Leakage Current	$I_R$	$V_R = 25\text{V}$ , パルス測定 Pulse measurement	MAX 5.0	$\mu\text{A}$
熱抵抗 Thermal Resistance	$\theta_{jl}$	接合部・リード間, プリント基板実装 Junction to lead, On glass-epoxy substrate	MAX 23	$^\circ\text{C}/\text{W}$
	$\theta_{ja}$	接合部・周囲間, プリント基板実装 Junction to ambient, On glass-epoxy substrate	MAX 157	
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.