

D1NK100

1000V 1A

## 特長

- 高耐圧
- 低ノイズ
- trr = 75ns

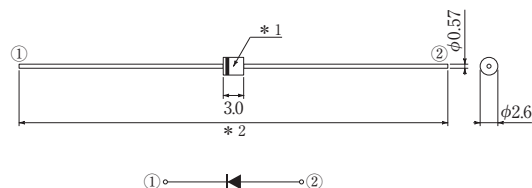
## Feature

- High Voltage
- Low Noise
- trr=75ns

## ■外観図 OUTLINE

Package : AX057

Unit : mm

\*1 捺印面展開図  
Marking\*2 仕様コード 5060 : 52mm  
Spec Code 5070 : 26mm

品名略号 KA 00  
Type No.      ロット記号(例) Date code

極性  
Polarity

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

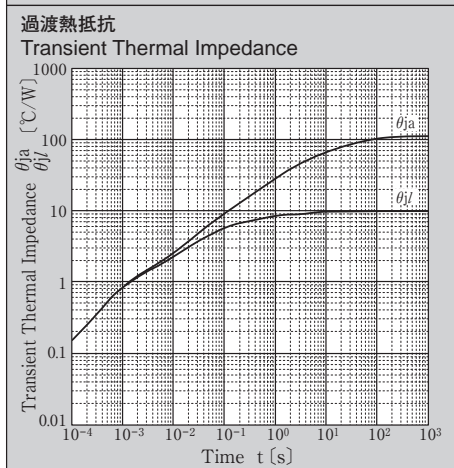
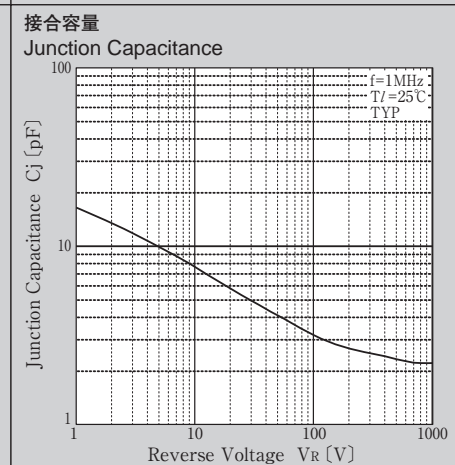
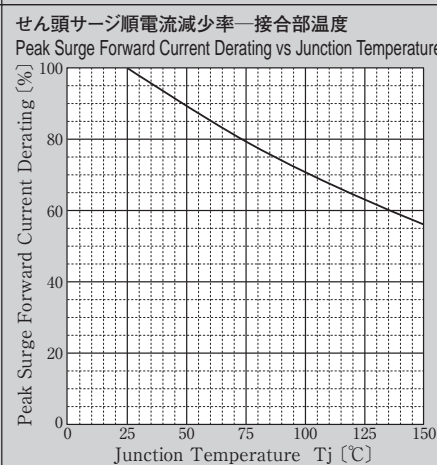
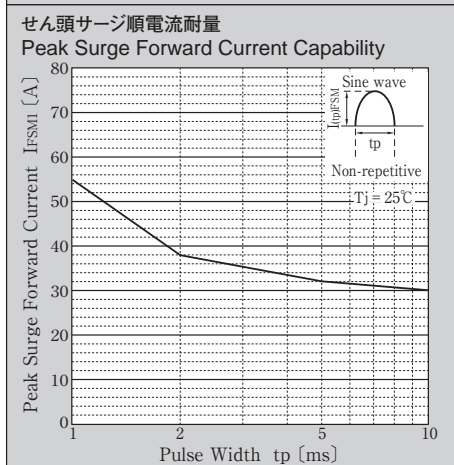
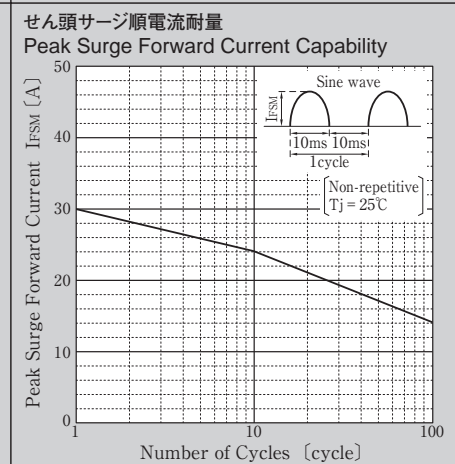
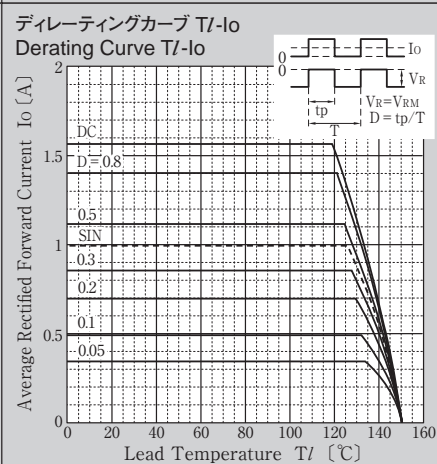
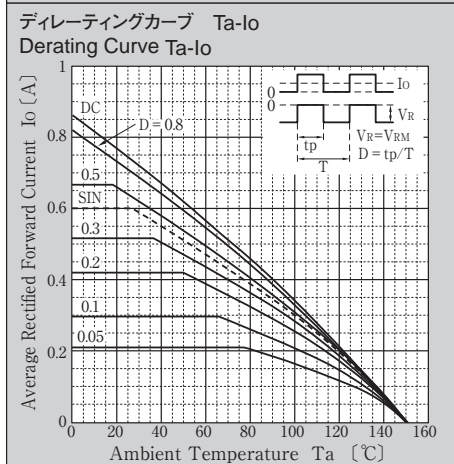
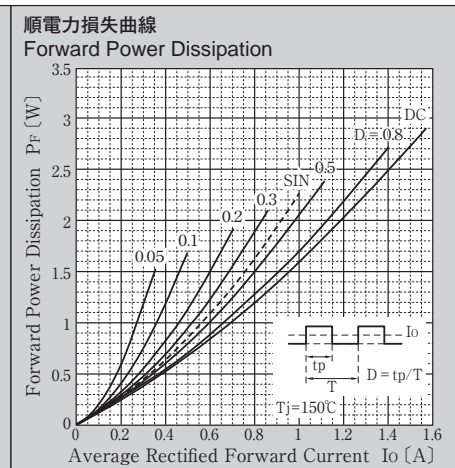
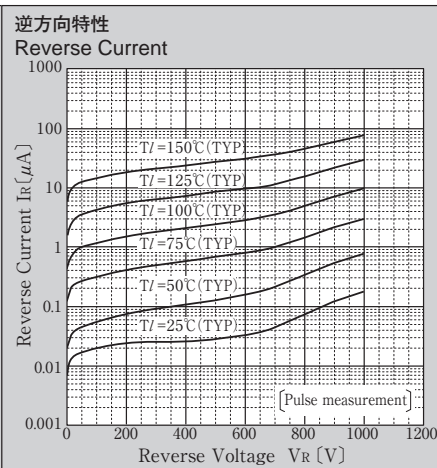
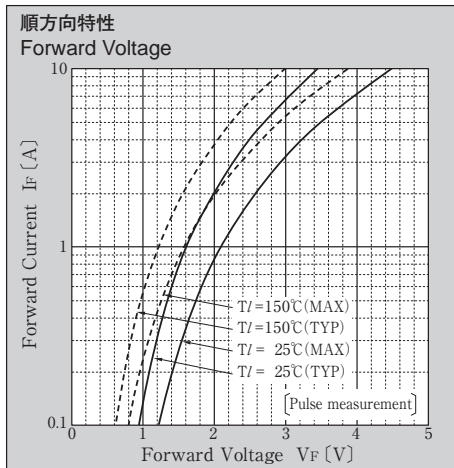
●絶対最大定格 Absolute Maximum Ratings (指定のない場合は  $T_I = 25^\circ\text{C}$  / unless otherwise specified)

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 ~ 150	$^\circ\text{C}$
接合部温度 Operating Junction Temperature	$T_j$		150	$^\circ\text{C}$
せん頭逆電圧 Maximum Reverse Voltage	$V_{RM}$		1000	V
出力電流 Average Rectified Forward Current	$I_o$	50Hz 正弦波, 抵抗負荷, $T_a=25^\circ\text{C}$ 50Hz sine wave, Resistance load, $T_a=25^\circ\text{C}$	0.6	A
		50Hz 正弦波, 抵抗負荷, $T_I = 127^\circ\text{C}$ 50Hz sine wave, Resistance load, $T_I = 127^\circ\text{C}$	1.0	
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, $T_j=25^\circ\text{C}$ 50Hz sine wave, Non-repetitive 1 cycle peak value, $T_j=25^\circ\text{C}$	30	A
	$I_{FSM1}$	tp=1ms 正弦波, 非繰り返し 1 サイクルせん頭値, $T_j=25^\circ\text{C}$ tp=1ms Sine wave, Non-repetitive 1 cycle peak value, $T_j=25^\circ\text{C}$	55	A

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

順電圧 Forward Voltage	$V_F$	$I_F = 1\text{A}$ , パルス測定 Pulse measurement	MAX 2.1	V
逆電流 Reverse Current	$I_R$	$V_R = 1000\text{V}$ , パルス測定 Pulse measurement	MAX 10	$\mu\text{A}$
逆回復時間 Reverse Recovery Time	trr	$I_F = 0.5\text{A}$ , $I_R = 1.0\text{A}$ , $0.25 I_R$	MAX 75	ns
		$I_F = 1\text{A}$ , $V_R = 400\text{V}$ , $di/dt = -50\text{A}/\mu\text{s}$ , $0.25 I_R$	MAX 85	
接合容量 Junction Capacitance	$C_j$	$f = 1\text{MHz}$ , $V_R = 10\text{V}$	TYP 7.5	pF
熱抵抗 Thermal Resistance	$\theta_{jl}$	接合部・リード間 Junction to lead	MAX 10	$^\circ\text{C}/\text{W}$
	$\theta_{ja}$	接合部・周囲間 Junction to ambient	MAX 113	$^\circ\text{C}/\text{W}$

■特性図 CHARACTERISTIC DIAGRAMS



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