

D1NK60**600V 0.8A****特長**

- 高耐圧FRD
- $t_{rr}=75\text{ns}$
- 低 $V_F=1.3\text{V}$

Feature

- High Voltage Super FRD
- $t_{rr}=75\text{ns}$
- Low $V_F=1.3\text{V}$

用途

- スイッチング電源
- 家電、OA
- 通信
- フライホール

Main Use

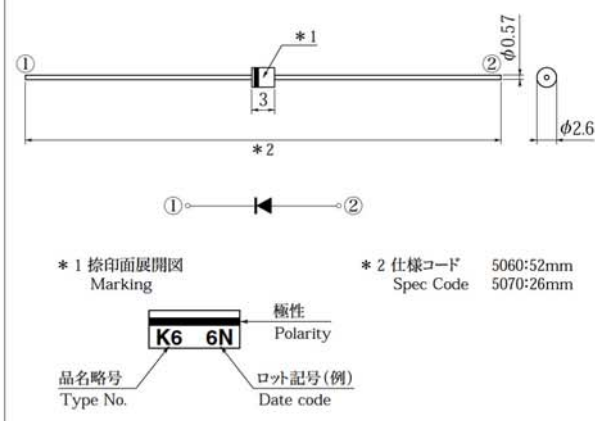
- Switching Regulator
- Home Appliance, Office Automation
- Communication
- Fly Wheel

■外観図 OUTLINE

Package : AX057

Unit:mm

Weight 0.19g (Typ)



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".

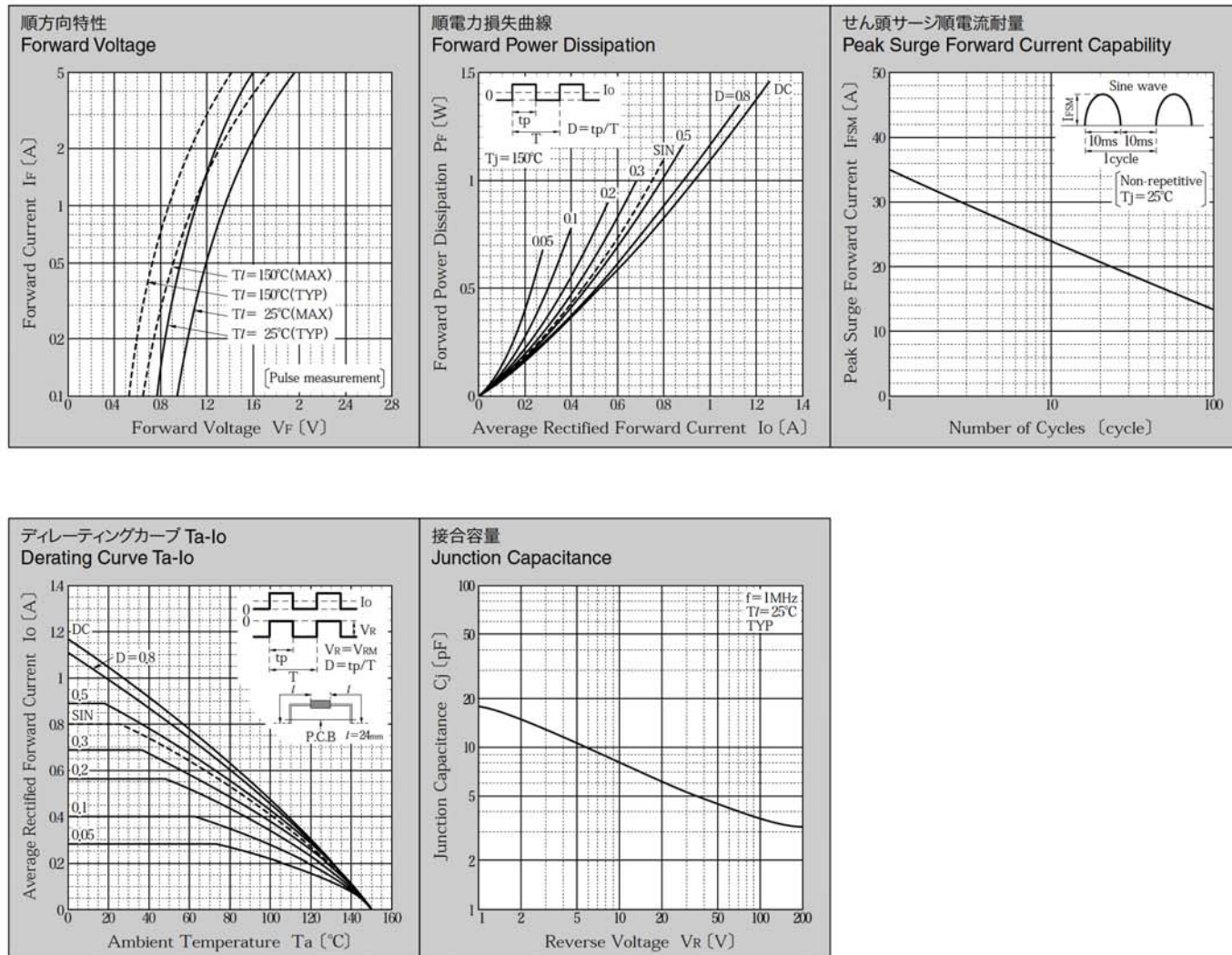
■定格表 RATINGS**●絶対最大定格 Absolute Maximum Ratings (指定のない場合 $T_I = 25^\circ\text{C}$)**

項目 Item	記号 Symbol	条件 Conditions	品名 Type No.	D1NK60	単位 Unit
保存温度 Storage Temperature	T_{stg}			-55~150	$^\circ\text{C}$
接合部温度 Operation Junction Temperature	T_j			150	$^\circ\text{C}$
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, $T_a = 26^\circ\text{C}$ 50Hz sine wave, Resistance load, $T_a = 26^\circ\text{C}$		0.8	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, $T_j = 25^\circ\text{C}$ 50Hz sine wave, Non-repetitive 1 cycle peak value, $T_j = 25^\circ\text{C}$		35	A

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

順電圧 Forward Voltage	V_F	$I_F = 0.8\text{A}$, パルス測定 Pulse measurement	MAX 1.3	V
逆電流 Reverse Current	I_R	$V_R = 600\text{V}$, パルス測定 Pulse measurement	MAX 10	μA
逆回復時間 Reverse Recovery Time	t_{rr}	$I_F = 0.5\text{A}$, $I_R = 1.0\text{A}$, $0.25I_R$	MAX 75	ns
接合容量 Junction Capacitance	C_j	$f = 1\text{MHz}$, $V_R = 10\text{V}$	TYP 8	pF
熱抵抗 Thermal Resistance	θ_{jl}	接合部・リード間 Junction to lead	MAX 10	$^\circ\text{C/W}$
	θ_{ja}	接合部・周囲間 Junction to ambient	MAX 113	

■特性図 CHARACTERISTIC DIAGRAMS



* Sine waveは50Hzで測定しています。
 * 50Hz sine wave is used for measurements.
 * 半導体製品の特性は一般的にバラツキを持っています。
 * Typical is statistical average of the device's ability.
 * Semiconductor products generally have characteristic variation.
 * Typical is a statistical average of the device's ability.

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【標準用途】

コンピュータ、OA 等の事務機器、通信用端末機器、計測器、AV 機器、アミューズメント機器、家電、
工作機器、パーソナル機器、産業用機器等

【特別用途】

輸送機器(車載、船舶等)、基幹用通信機器、交通信号機器、防災/防犯機器、各種安全機器、医療
機器等

【特定用途】

原子力制御システム、航空機器、航空宇宙機器、海底中継機器、生命維持のための装置、システム
等

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[Special applications]

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[Specific applications]

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