

D2FK60**600V 1.5A****特長**

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

Feature

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

用途

- スイッチング電源
- DC/DC コンバータ
- 家電、OA
- 通信
- フライホール

Main Use

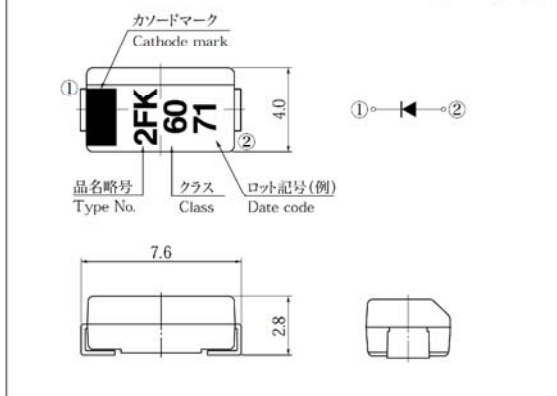
- Switching Regulator
- DC/DC Converter
- Home Appliance, Office Automation
- Communication
- Fly Wheel

■外観図 OUTLINE

Package : 2F

Unit:mm

Weight 0.16g (Typ)



外形図については新電元Webサイト又は〈半導体製品一覧表〉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 or Semiconductor Short Form Catalog. As for the marking, refer to the specification "Marking, Terminal Connection".

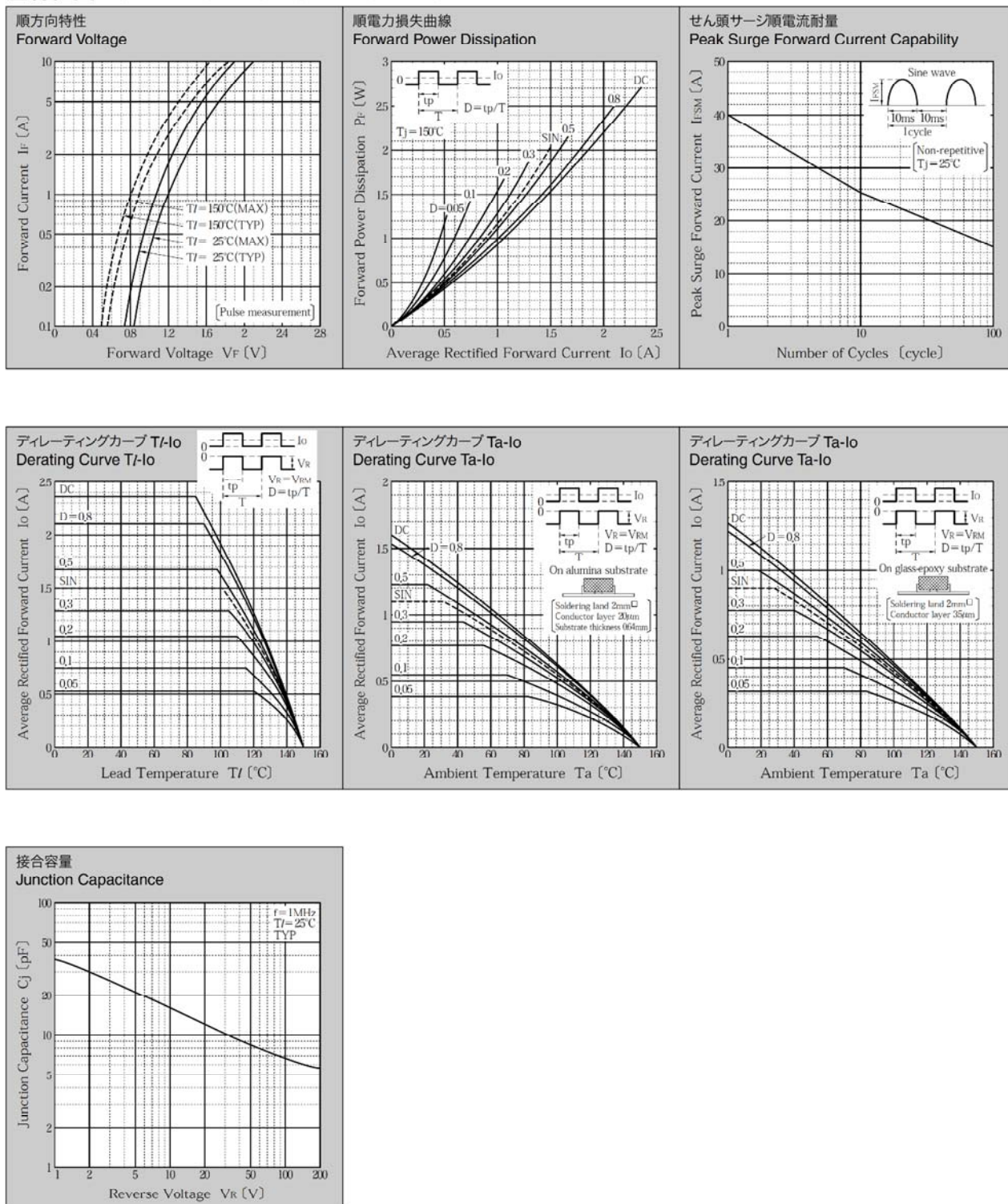
■定格表 RATINGS**●絶対最大定格 Absolute Maximum Ratings (指定のない場合 $T_I = 25^\circ\text{C}$)**

項目 Item	記号 Symbol	条件 Conditions	品名 Type No.	D2FK60	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 50Hz sine wave, Resistance load	$T_I = 101^\circ\text{C}$	1.5	A
			$T_a = 30^\circ\text{C}$ アルミナ基板実装 On alumina substrate	1.1	
			$T_a = 28^\circ\text{C}$ プリント基板実装 On glass-epoxy substrate	0.9	
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, $T_j = 25^\circ\text{C}$		40	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	$I_F = 1.5\text{A}$, パルス測定 Pulse measurement	MAX 1.3	V
逆電流 Reverse Current	I_R	$V_R = V_{RM}$, 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 16	pF
熱抵抗 Thermal Resistance	θ_{jl}	接合部・リード間 Junction to lead	MAX 24	$^\circ\text{C/W}$
	θ_{ja}	接合部・周囲間 Junction to ambient	MAX 90	
			MAX 120	

■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 a 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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Welcome to visit www.ameya360.com

Contact Us :

➤ Address :

401 Building No.5, JiuGe Business Center, Lane 2301, Yishan Rd
Minhang District, Shanghai , China

➤ Sales :

Direct +86 (21) 6401-6692

Email amall@ameya360.com

QQ 800077892

Skype ameyasales1 ameyasales2

➤ Customer Service :

Email service@ameya360.com

➤ Partnership :

Tel +86 (21) 64016692-8333

Email mkt@ameya360.com