

D30FD60K

600V 30A

特長

- SMD
- 高耐圧
- 低ノイズ

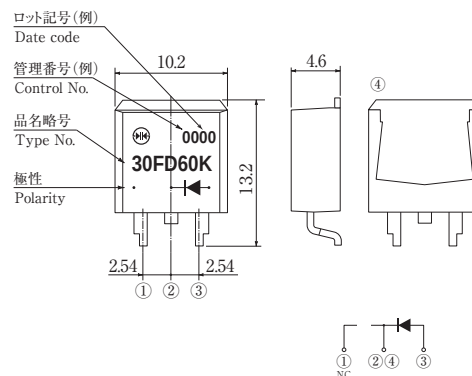
Feature

- SMD
- High Voltage
- Low Noise

■外観図 OUTLINE

Package : FD

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

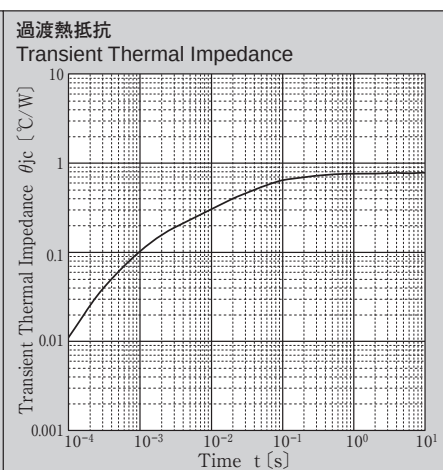
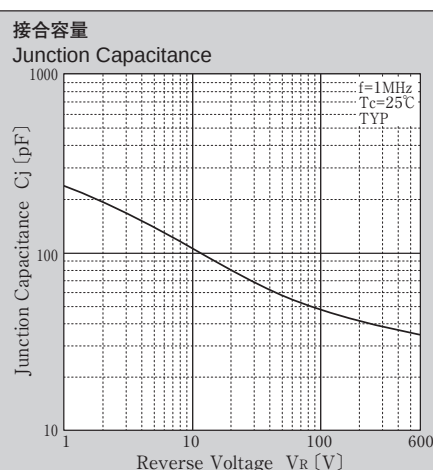
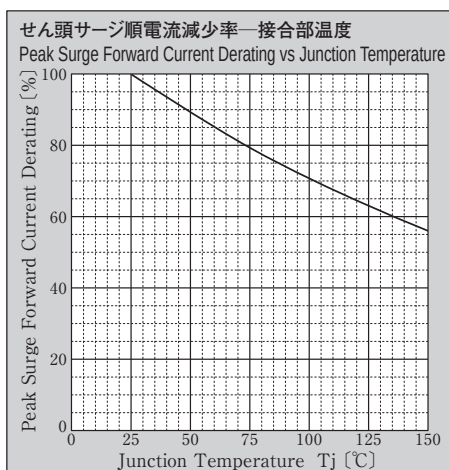
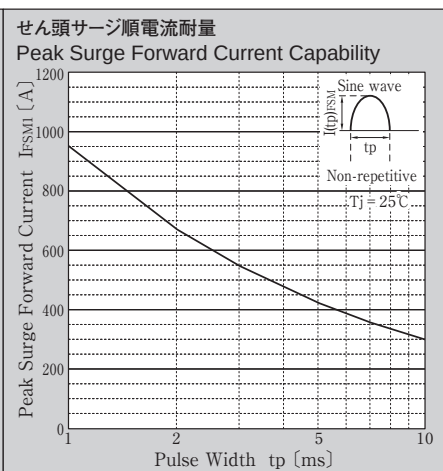
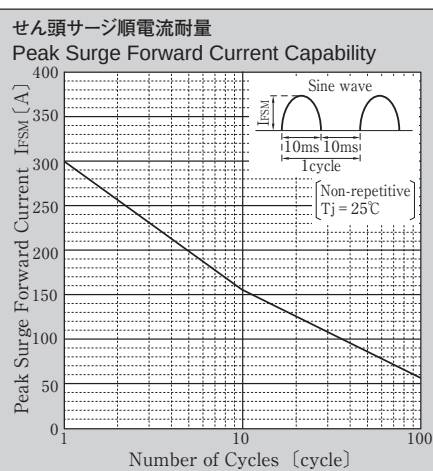
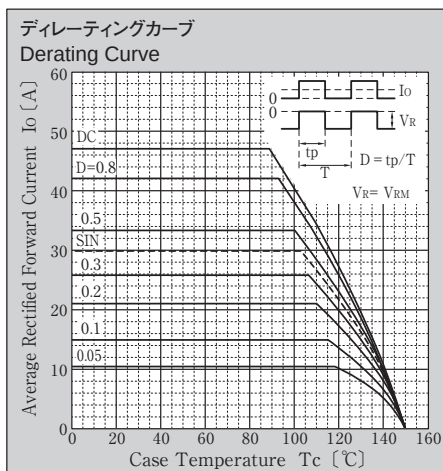
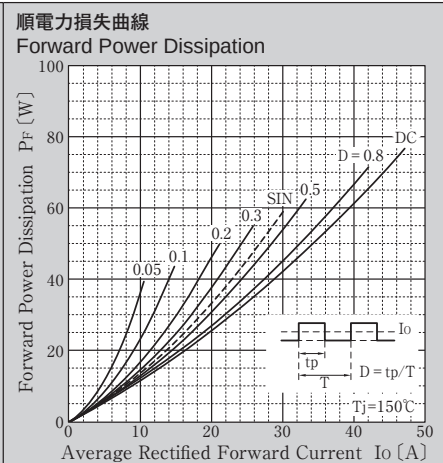
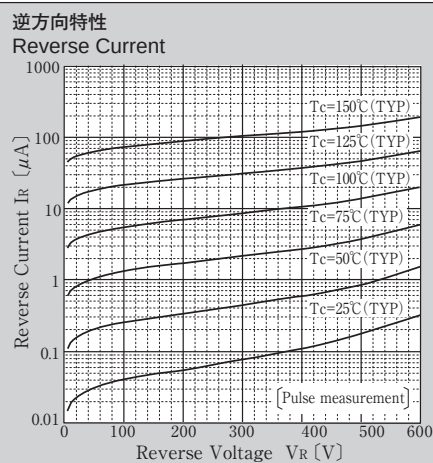
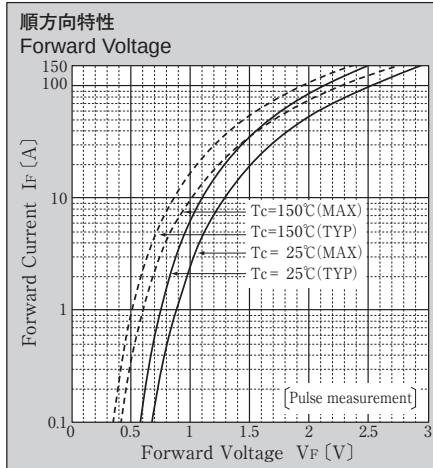
●絶対最大定格 Absolute Maximum Ratings (指定のない場合は $T_c = 25^\circ\text{C}$ /unless otherwise specified)

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}		600	V
出力電流 Average Rectified Forward Current	I_o	50Hz 正弦波, 抵抗負荷, フィン付き $T_c=102^\circ\text{C}$ 50Hz sine wave, Resistance load, With heatsink $T_c=102^\circ\text{C}$	30	A
せん頭サーージ順電流 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, $T_j = 25^\circ\text{C}$	300	A
	I_{FSM1}	$t_p = 1\text{ms}$, $T_j = 25^\circ\text{C}$, 非繰り返し $t_p = 1\text{ms}$, $T_j = 25^\circ\text{C}$, Non-repetitive	948	

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

順電圧 Forward Voltage	V_F	$I_F = 30\text{A}$, パルス測定 Pulse measurement	MAX 1.7	V
逆電流 Reverse Current	I_R	$V_R = 600\text{V}$, パルス測定 Pulse measurement	MAX 10	μA
巡回復時間 Reverse Recovery Time	t_{rr}	$I_F = 0.5\text{A}$, $I_R = 1\text{A}$, $0.25 I_R$	MAX 95	ns
		$I_F = 1.0\text{A}$, $V_R = 30\text{V}$, $di/dt = -50\text{A}/\mu\text{s}$, $0.25 I_R$	MAX 72	
		$I_F = 1.0\text{A}$, $V_R = 420\text{V}$, $di/dt = -50\text{A}/\mu\text{s}$, $0.25 I_R$	MAX 84	
接合容量 Junction Capacitance	C_j	$f = 1\text{MHz}$, $V_R = 10\text{V}$	TYP 105	pF
熱抵抗 Thermal Resistance	θ_{jc}	接合部・ケース間, フィン付き Junction to case, with heatsink	MAX 0.8	$^\circ\text{C}/\text{W}$
	θ_{ja}	接合部・周囲間 Junction to Ambient	MAX 65	$^\circ\text{C}/\text{W}$

■特性図 CHARACTERISTIC DIAGRAMS



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

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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]
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