

## UD6KBA80

800V 6A

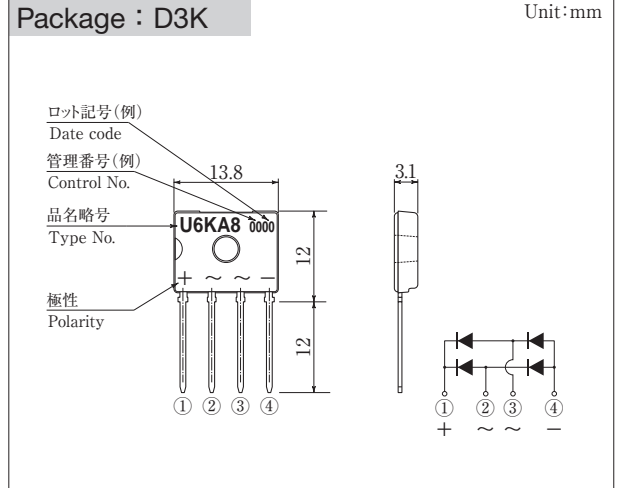
### 特長

- 高耐圧
- 高 IFSM
- UL E142422

### Feature

- High Voltage
- Large IFSM
- UL E142422

### ■ 外観図 OUTLINE



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

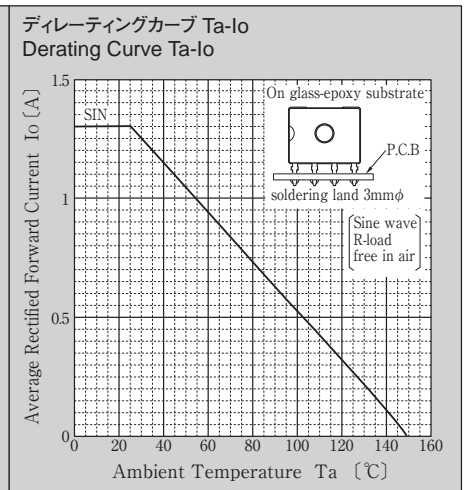
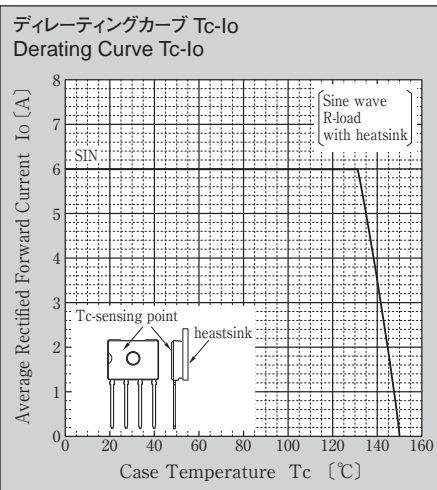
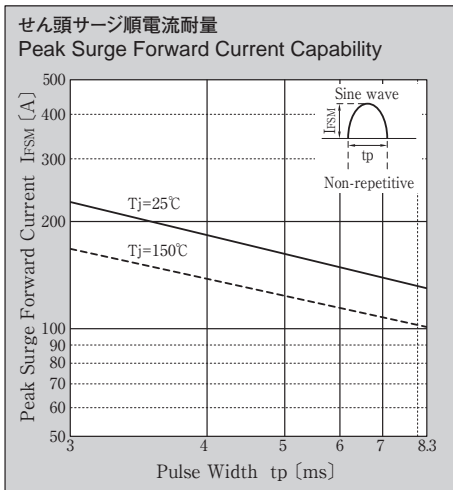
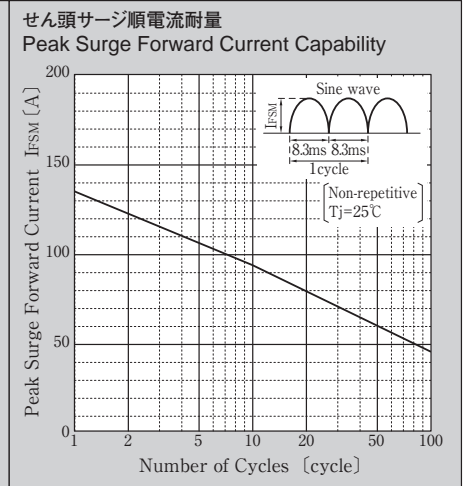
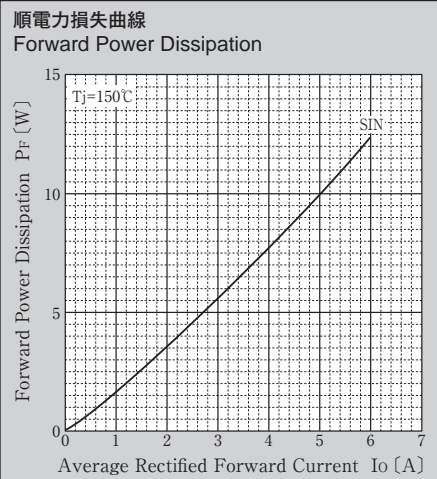
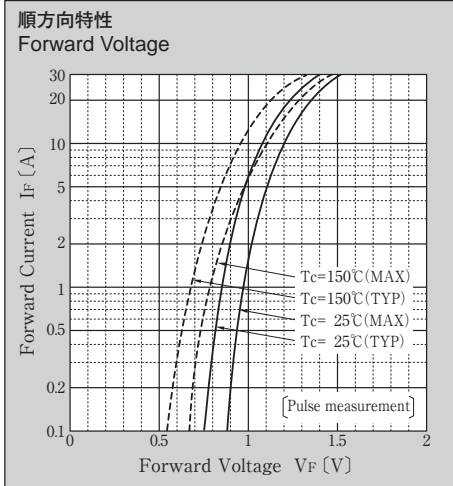
#### ● 絶対最大定格 Absolute Maximum Ratings (指定のない場合 $T_c = 25^\circ\text{C}$ )

項目 Item	記号 Symbol	条件 Conditions		規格値 Ratings	単位 Unit	
保存温度 Storage Temperature	$T_{stg}$			- 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	$V_{RM}$			800	V	
出力電流 Average Rectified Forward Current	$I_o$	60Hz 正弦波, 抵抗負荷 60Hz sine wave, Resistance load	フィン付き With heatsink	$T_c = 131^\circ\text{C}$	6	A
			フィンなし Without heatsink	$T_a = 25^\circ\text{C}$	1.3	
せん頭サージ順電流 Peak Surge Forward Current	$I_{FSM}$	60Hz 正弦波, 非繰り返し1サイクルせん頭値, $T_j = 25^\circ\text{C}$ 60Hz sine wave, Non-repetitive 1 cycle peak value, $T_j = 25^\circ\text{C}$		135	A	
	$I_{FSM1}$	tp = 3ms, $T_j = 25^\circ\text{C}$ , 非繰り返し tp = 3ms, $T_j = 25^\circ\text{C}$ , Non-repetitive		220		
電流二乗時間積 Current Squared Time	$I^2t$	3ms $\leq t < 8.3\text{ms}$ , $T_j = 25^\circ\text{C}$		75	$\text{A}^2\text{s}$	
絶縁耐圧 Dielectric Strength	$V_{dis}$	一括端子・ケース間, AC 1分間印加 Terminals to case, AC 1 minute		2	kV	
締め付けトルク Mounting Torque	TOR	(推奨値: 0.5N·m) (Recommended torque: 0.5N·m)		0.8	N·m	

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

順電圧 Forward Voltage	$V_F$	$I_F = 3\text{A}$ , パルス測定, 1素子当りの規格値 Pulse measurement, Per diode	MAX 1.05	V
逆電流 Reverse Current	$I_R$	$V_R = 800\text{V}$ , パルス測定, 1素子当りの規格値 Pulse measurement, Per diode	MAX 10	$\mu\text{A}$
熱抵抗 Thermal Resistance	$\theta_{jc}$	接合部・ケース間, フィン付き Junction to case, with heatsink	MAX 1.5	$^\circ\text{C}/\text{W}$
	$\theta_{jl}$	接合部・リード間, フィンなし Junction to lead, without heatsink	MAX 15	
	$\theta_{ja}$	接合部・周囲間, フィンなし Junction to ambient, without heatsink	MAX 55	

■特性図 CHARACTERISTIC DIAGRAMS



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