

## D10AD100VDE

### 800V 10A

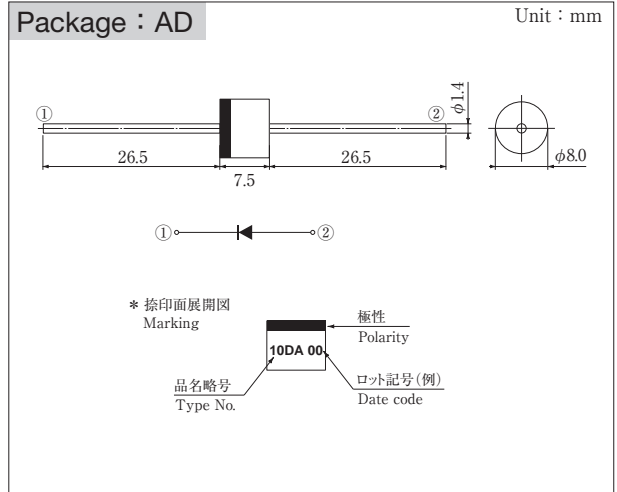
#### 特長

- 高耐圧
- 高IFSM

#### Feature

- High Voltage
- Large IFSM

#### ■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	$^\circ\text{C}$	
		非繰り返し DC 順方向動作に限る場合, $t \leq 1\text{h}$ *1 *2 Non-repetitive DC forward operation only, $t \leq 1\text{h}$ *1 *2	200		
せん頭逆電圧 Maximum Reverse Voltage	$V_{RM}$		800	V	
非繰り返しせん頭逆電圧 Peak Surge Reverse Voltage	$V_{RSM}$		1000	V	
出力電流 Average Rectified Forward Current	$I_O$	50Hz 正弦波, 抵抗負荷 50Hz sine wave, Resistance load	$T_I = 99^\circ\text{C}$ $T_a = 25^\circ\text{C}$	10 2.5	A
		DC, 抵抗負荷 DC, Resistance load	$T_I = 129^\circ\text{C}$	15.7	
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		900	

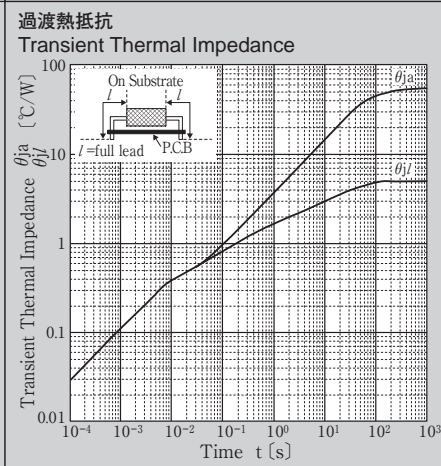
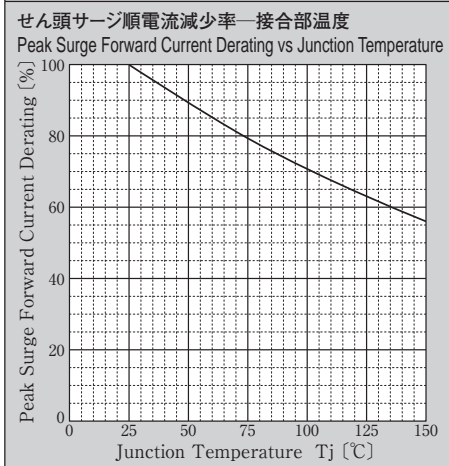
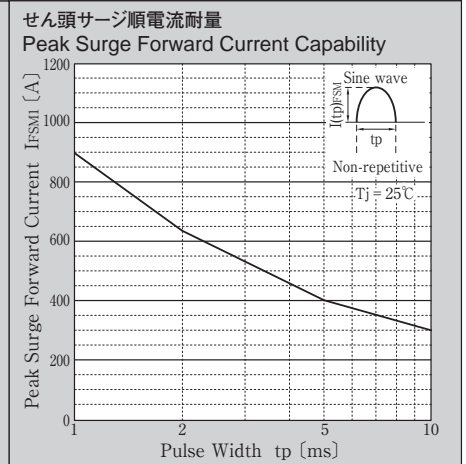
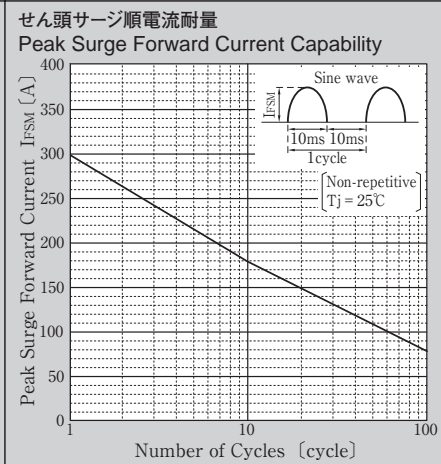
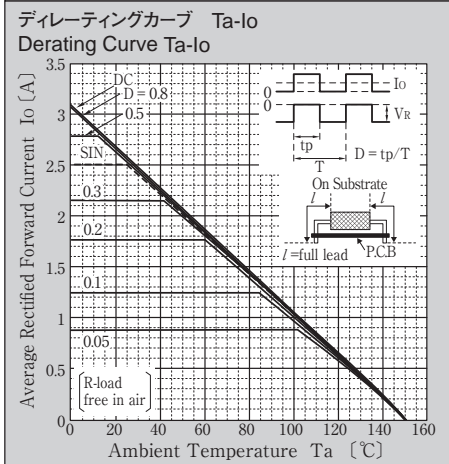
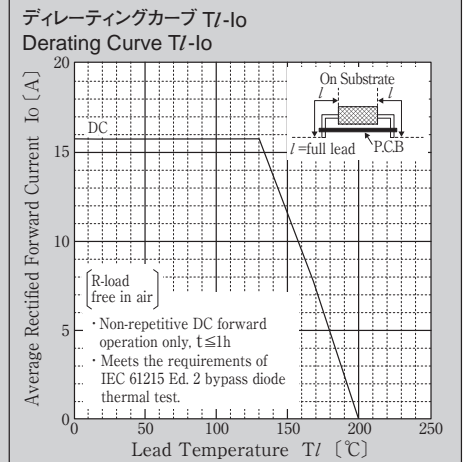
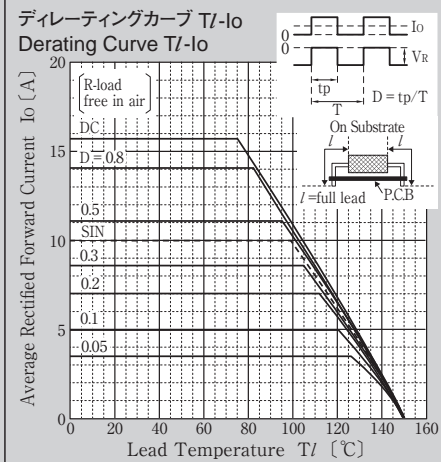
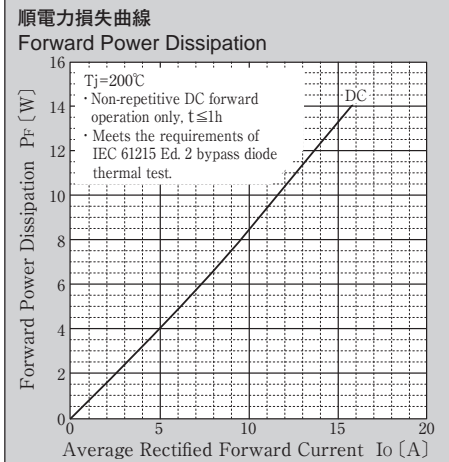
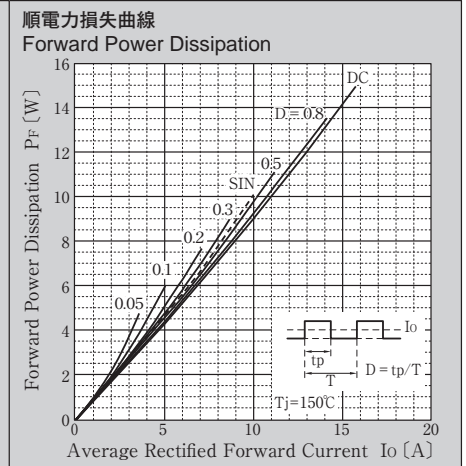
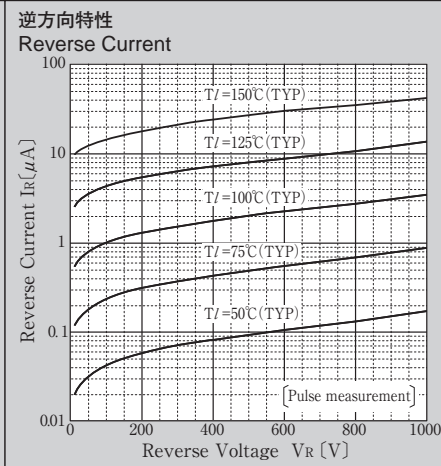
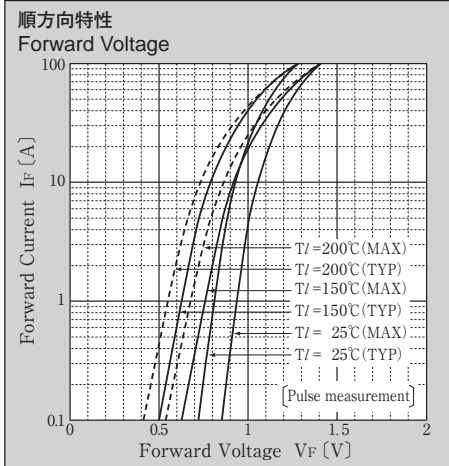
\*1 逆方向動作では使用しないで下さい。素子が破壊される場合があります。  
Please do not use it in reverse operation. The device might be destroyed.

\*2 IEC 61215-2 バイパスダイオード温度試験の要求事項に準拠。  
Meets the requirements of IEC 61215 Ed. 2 bypass diode thermal test.

##### ●電氣的・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	$V_F$	$I_F = 10\text{A}$ , パルス測定 Pulse measurement	MAX 1.05	V
逆電流 Reverse Current	$I_R$	$V_R = 1000\text{V}$ , パルス測定 Pulse measurement	MAX 10	$\mu\text{A}$
熱抵抗 Thermal Resistance	$\theta_{jl}$	接合部・リード間 Junction to lead	MAX 5	$^\circ\text{C}/\text{W}$
	$\theta_{ja}$	接合部・周囲間 Junction to ambient	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.