

# ST03DH-240

## 240V 300W

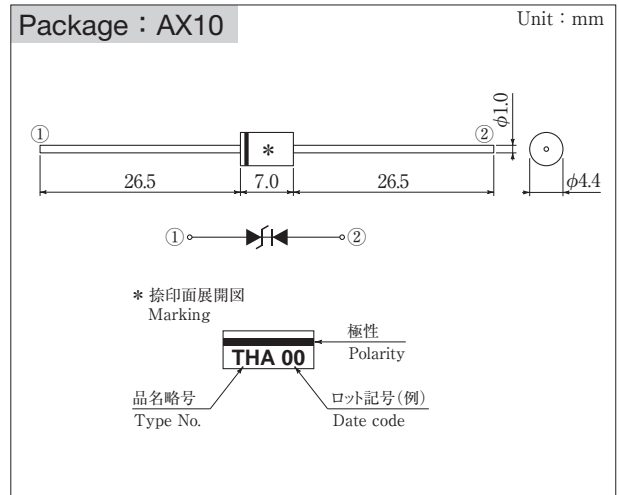
### 特長

- パワーツェナーダイオードと FRD を複合
- 高耐圧
- スナバ回路用途

### Feature

- Power Zener Diode with FRD
- High Voltage
- Application for snubbercircuit

### 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".

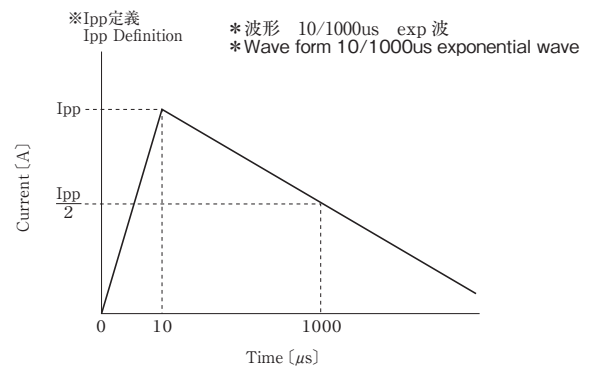
### 定格表 RATINGS

● 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)

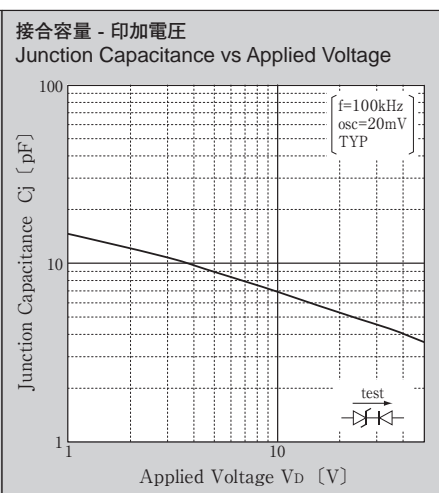
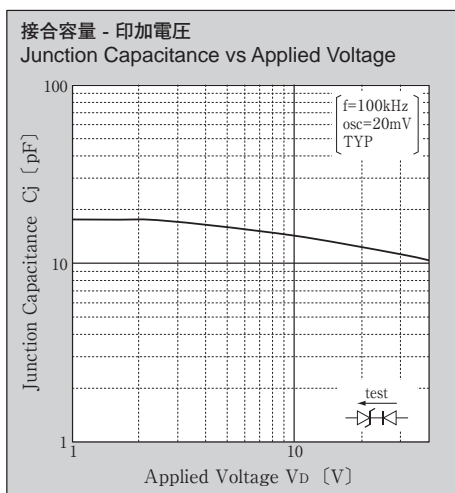
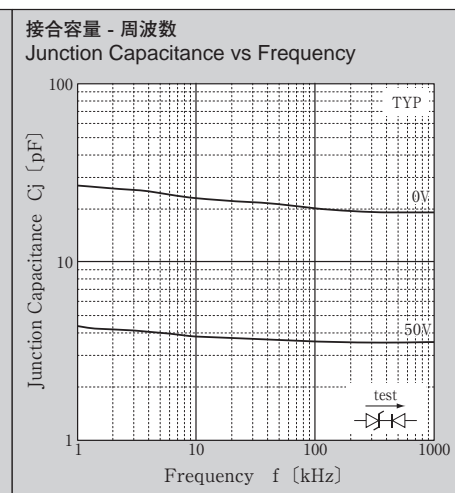
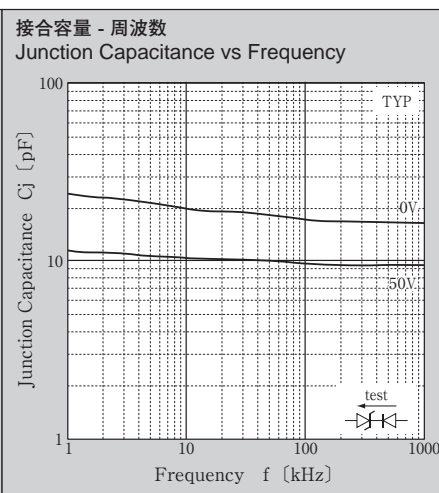
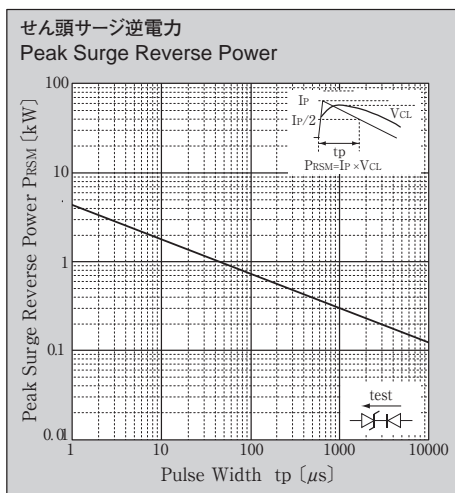
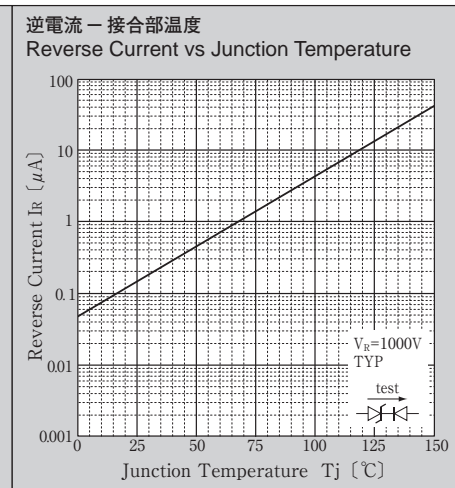
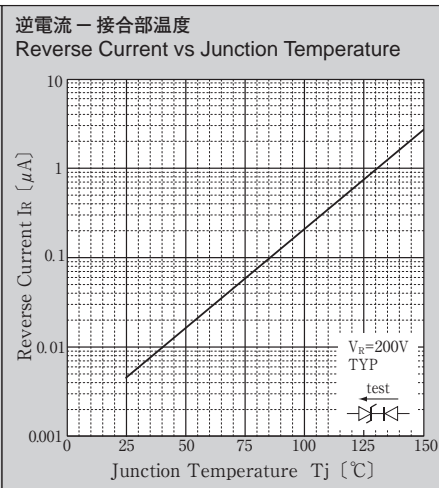
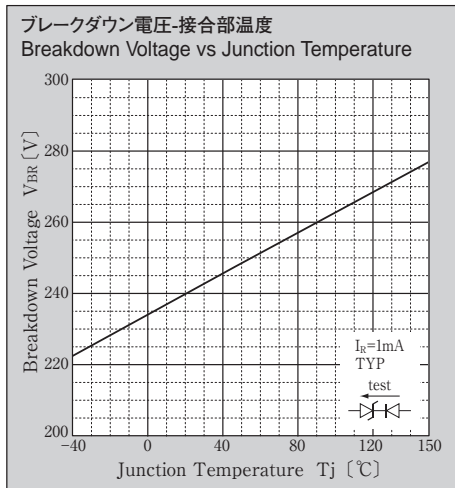
項目 Item	記号 Symbol	条件 Conditions	ZD	Di	単位 Unit
保存温度 Storage Temperature	Tstg		- 40 ~ 150		°C
接合部温度 Operating Junction Temperature	Tj		150		°C
せん頭サージ逆電力 Peak surge reverse power	P <sub>PRSM</sub>	10/1000 $\mu\text{s}$ 非繰り返し * 10/1000 $\mu\text{s}$ Non-repetitive *	300	—	W
せん頭サージ逆電流 Peak surge reverse current	I <sub>PRSM</sub>	10/1000 $\mu\text{s}$ 非繰り返し * 10/1000 $\mu\text{s}$ Non-repetitive *	1.0	—	A
連続印加電圧 Maximum Reverse Voltage	V <sub>RM</sub>		200	1000	V

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

動作開始電圧 Movement Start Voltage	V <sub>BR</sub>	I <sub>R</sub> = 1mA	MIN 220 MAX 250	—	V
制限電圧 Clamping Voltage	V <sub>CL</sub>	I <sub>pp</sub> = 1.0A	MAX 300	—	V
漏れ電流 Leakage Current	I <sub>R</sub>	V <sub>R</sub> = 200V	MAX 5	—	$\mu\text{A}$
		V <sub>R</sub> = 1000V	—	MAX 10	
逆回復時間 Reverse Recovery Time	trr	I <sub>F</sub> /I <sub>R</sub> = 0.1A/0.3A	—	MAX 500	ns
熱抵抗 Thermal Resistance	$\theta_{jl}$	接合部・リード間 Junction to lead	MAX 13		°C/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.