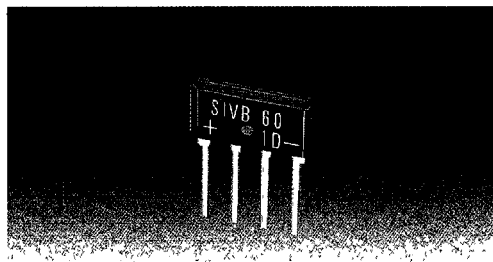
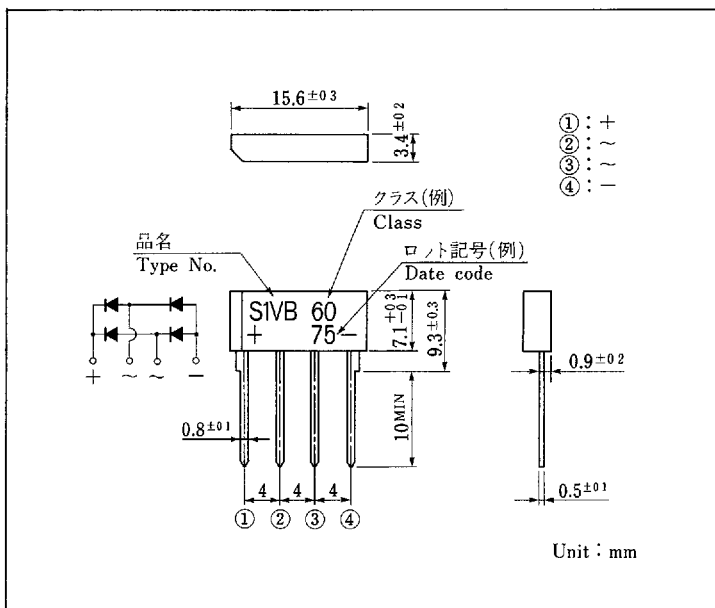


# S1VB□

## 600V 1A



### ■ 外形寸法図 OUTLINE DIMENSIONS



### ■ 定格表 RATINGS

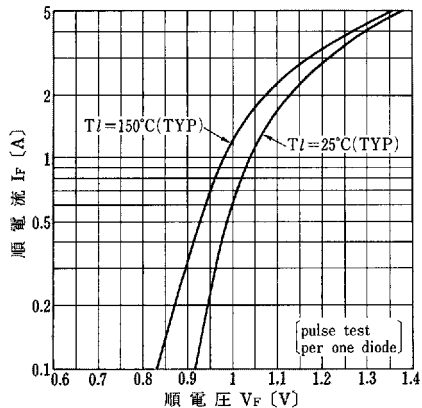
#### 絶対最大定格 Absolute Maximum Ratings

項目 Item	記号 Symbol	条件 Conditions	品名 Type No.	S1VB10	S1VB20	S1VB40	S1VB60	単位 Unit
保存温度 Storage Temperature	Tstg			-40~150				°C
接合部温度 Operating Junction Temperature	Tj			150				°C
せん頭逆電圧 Maximum Reverse Voltage	V <sub>RM</sub>			100	200	400	600	V
出力電流 Average Rectified Forward Current	I <sub>o</sub>	50Hz 正弦波, 抵抗負荷, プリント基板実装, Ta=25°C 50Hz sine wave, R-load, On glass-epoxi substrate, Ta=25°C		1				A
せん頭サージ順電流 Peak Surge Forward Current	I <sub>FSM</sub>	50Hz 正弦波, 非繰り返し 1 サイクルせん頭値, Tj=25°C 50Hz sine wave, Non-repetitive 1 cycle peak value, Tj=25°C		30				A
電流 2 乗時間積 Current Squared Time	I <sup>2</sup> t	1ms ≤ t < 10ms Tc=25°C		4.5				A <sup>2</sup> s

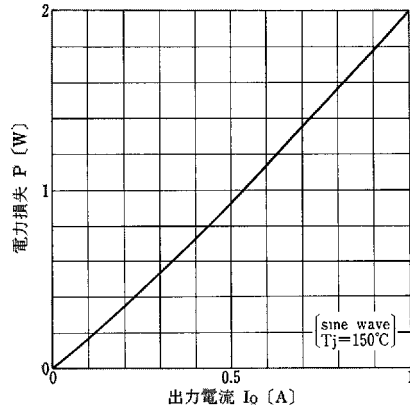
#### 電氣的・熱的特性 Electrical Characteristics (Tl=25°C)

順電圧 Forward Voltage	V <sub>F</sub>	I <sub>F</sub> =0.5A, パルス測定, 1 素子当りの規格値 Pulse measurement, Rating of per diode		MAX	1.05		V
逆電流 Reverse Current	I <sub>R</sub>	V <sub>R</sub> =V <sub>RM</sub> , パルス測定, 1 素子当りの規格値 Pulse measurement, Rating of per diode		MAX	10		μA
熱抵抗 Thermal Resistance	θ <sub>jl</sub>	接合部・リード間 Between junction and lead		MAX	16		°C/W
	θ <sub>ja</sub>	接合部・周囲間 Between junction and ambient		MAX	62		

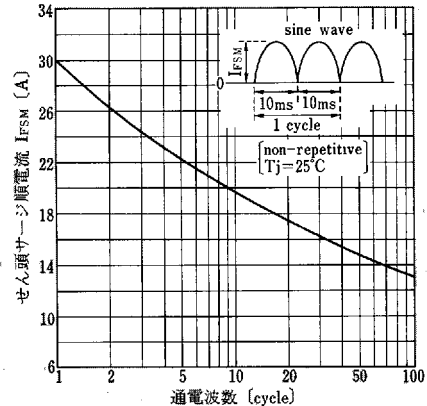
順方向特性  
Forward Voltage



電力損失曲線  
Power Dissipation



せん頭サーージ順電流耐量  
Surge Forward Current Capacity



デレーティングカーブ  $T_a - I_o$   
Derating Curve  $T_a - I_o$

