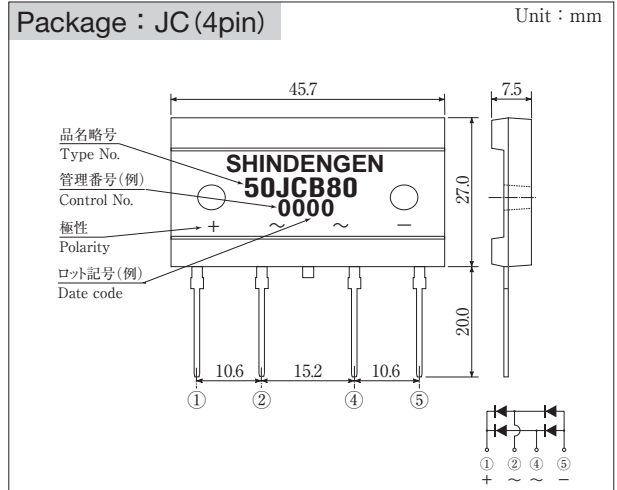


D50JCB80V**800V 50A****特長**

- 薄型 SIP
- UL E142422

Feature

- Compact SIP
- 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

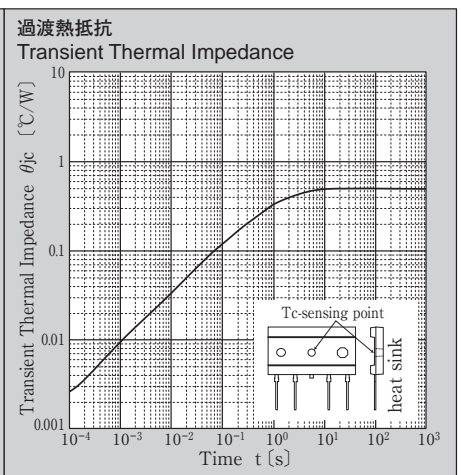
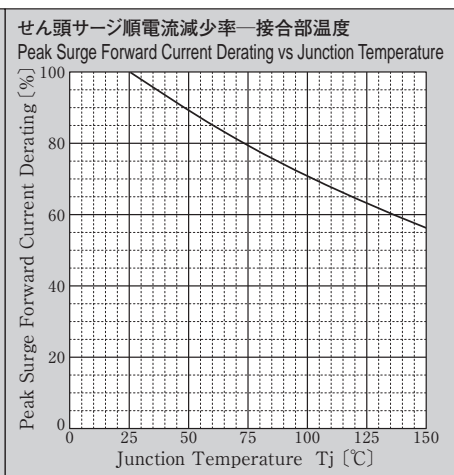
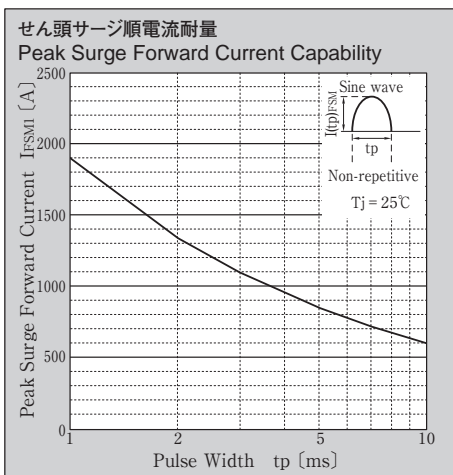
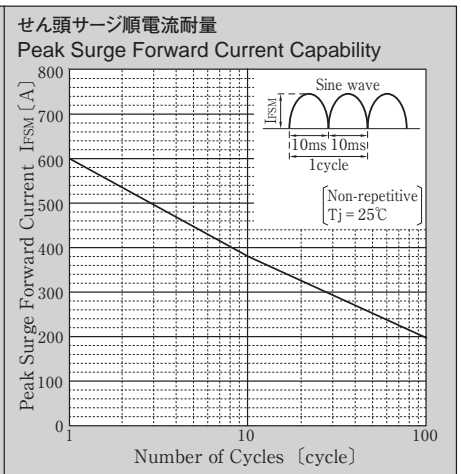
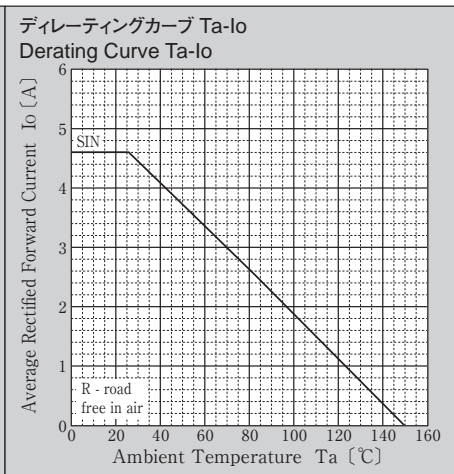
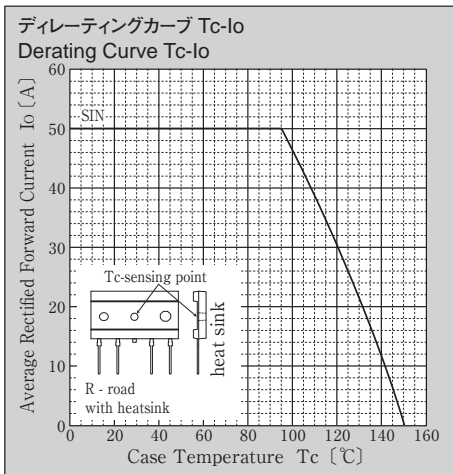
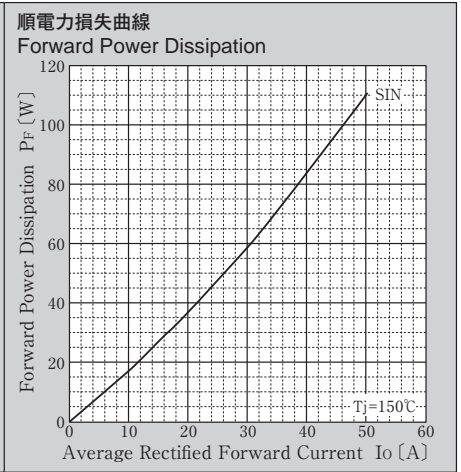
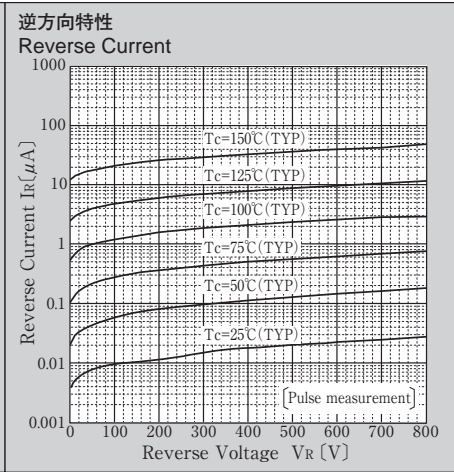
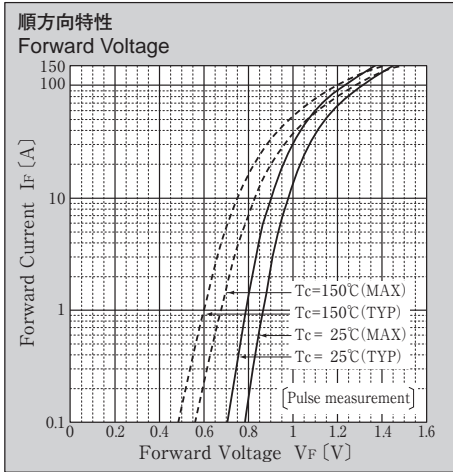
● 絶対最大定格 Absolute Maximum Ratings (指定のない場合は $T_c = 25^\circ\text{C}$ / unless otherwise specified)

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}			800	V	
出力電流 Average Rectified Forward Current	I_o	50Hz 正弦波, 抵抗負荷 50Hz sine wave, Resistance load	フィン付き With heatsink	$T_c = 94^\circ\text{C}$	50	A
			フィン無し Without heatsink	$T_a = 25^\circ\text{C}$	4.6	A
せん頭サージ順電流 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, $T_j = 25^\circ\text{C}$		600	A	
	I_{FSM1}	tp = 1ms, $T_j = 25^\circ\text{C}$, 非繰り返し tp = 1ms, $T_j = 25^\circ\text{C}$, Non-repetitive		1897		
電流二乗時間積 Current Squared Time	I^2t	1ms $\leq t < 10$ ms, 一素子当たりの規格値 1ms $\leq t < 10$ ms, Rating of per diode		1800	A^2s	
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: 1.2N·m) (Recommended torque: 1.2N·m)		1.5	N·m	

● 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	$I_F = 25\text{A}$, パルス測定 Pulse measurement	MAX 1.05	V
逆電流 Reverse Current	I_R	$V_R = 800\text{V}$, パルス測定 Pulse measurement	MAX 10	μA
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 0.5	$^\circ\text{C}/\text{W}$
	θ_{ja}	接合部・周囲間 Junction to Ambient	MAX 16	$^\circ\text{C}/\text{W}$

■特性図 CHARACTERISTIC DIAGRAMS



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