

DE3L20UA

200V 3A

特長

- SMD
- 低ノイズ
- $t_{rr} = 35\text{ns}$

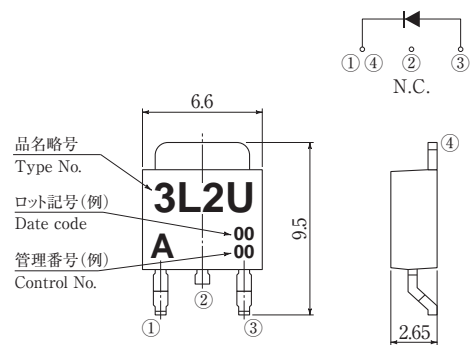
Feature

- SMD
- Low Noise
- $t_{rr} = 35\text{ns}$

■外観図 OUTLINE

Package : Epack

Unit:mm



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 $T_c = 25^\circ\text{C}$)

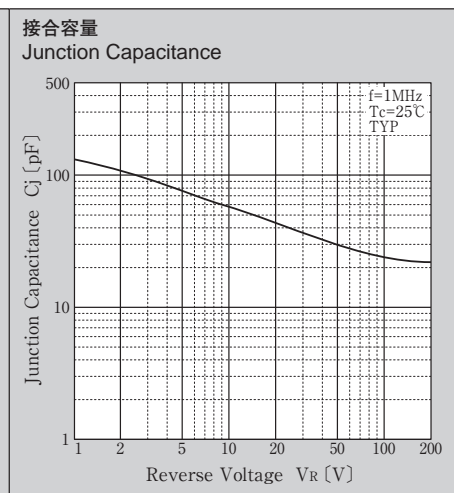
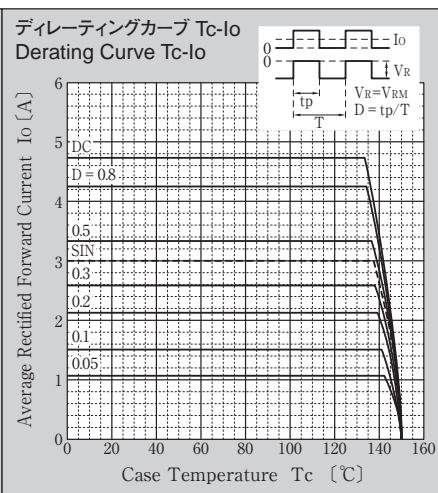
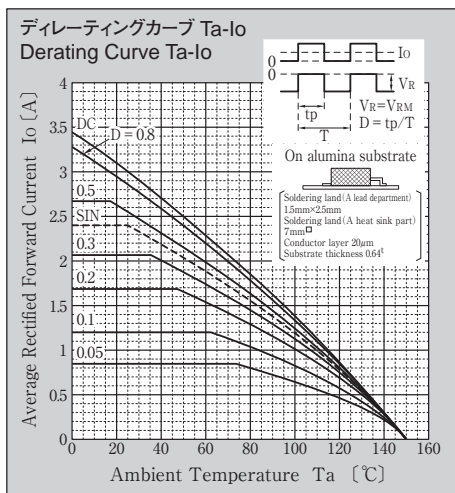
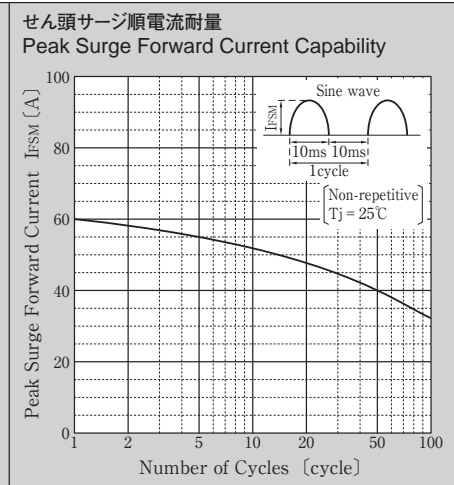
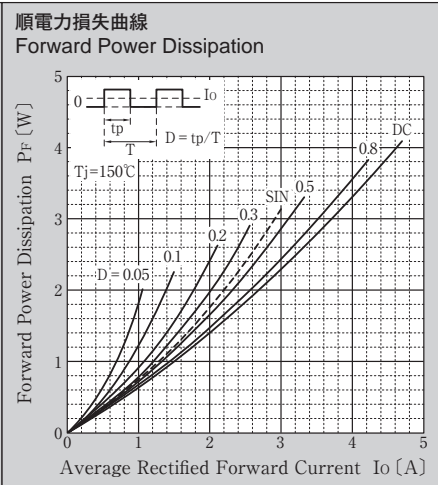
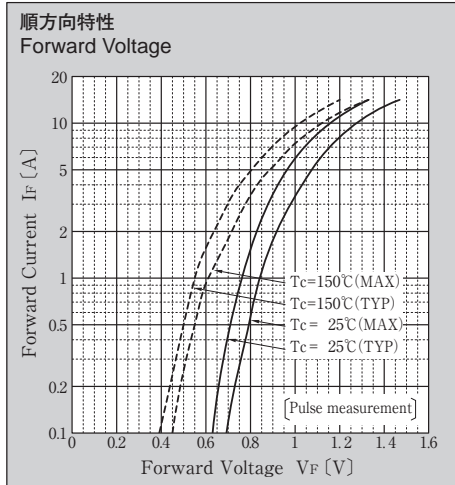
項目 Item	記号 Symbol	条件 Conditions	規格値 Ratings	単位 Unit
保存温度 Storage Temperature	T_{stg}		-55~150	$^\circ\text{C}$
接合部温度 Operation Junction Temperature	T_j		150	$^\circ\text{C}$
せん頭逆電圧 Maximum Reverse Voltage	V_{RM}		200	V
出力電流 Average Rectified Forward Current	I_o	50Hz正弦波, 抵抗負荷, $T_c = 137^\circ\text{C}$ 50Hz sine wave, Resistance load, $T_c = 137^\circ\text{C}$	3	A
		50Hz正弦波, 抵抗負荷, $T_a = 25^\circ\text{C}$ アルミナ基板実装*1 50Hz sine wave, Resistance load, $T_a = 25^\circ\text{C}$ on alumina substrate*1	2.4	
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, $T_j = 25^\circ\text{C}$	60	A

●電氣的・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 Pulse measurement	MAX 0.98	V
逆電流 Reverse Current	I_R	$V_R = 200\text{V}$, パルス測定 Pulse measurement	MAX 10	μA
逆回復時間 Reverse Recovery Time	t_{rr}	$I_F = 0.5\text{A}$, $I_R = 1\text{A}$	MAX 35	ns
接合容量 Junction Capacitance	C_j	$f = 1\text{MHz}$, $V_R = 10\text{V}$	TYP 56	pF
熱抵抗 Thermal Resistance	θ_{jc}	接合部・ケース間 Junction to case	MAX 4	$^\circ\text{C}/\text{W}$
	θ_{ja}	接合部・周囲間 Junction to ambient	MAX 55	

*1 アルミナ基板実装 (1インチ基板)
Measured on the 1×1 inch alumina substrate

■特性図 CHARACTERISTIC DIAGRAMS



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