

S3L20U**200V 3A****特長**

- 低ノイズ
- $t_{rr}=35\text{ns}$

Feature

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

用途

- スイッチング電源
- フライホール
- 家電、OA、照明
- 通信、FA

Main Use

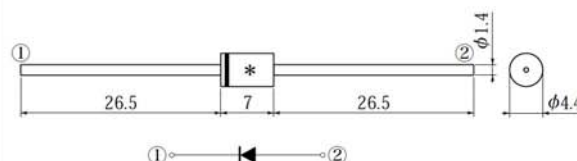
- Switching Regulator
- Fly Wheel
- Home Appliance, Office Automation, Lighting
- Communication, Factory Automation

■外観図 OUTLINE

Package : AX14

Unit:mm

Weight 1.06g (Typ)

* 捺印面展開図
Marking

品名略号
Type No.

3LU 05

極性
Polarity

ロット記号(例)
Date code

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".

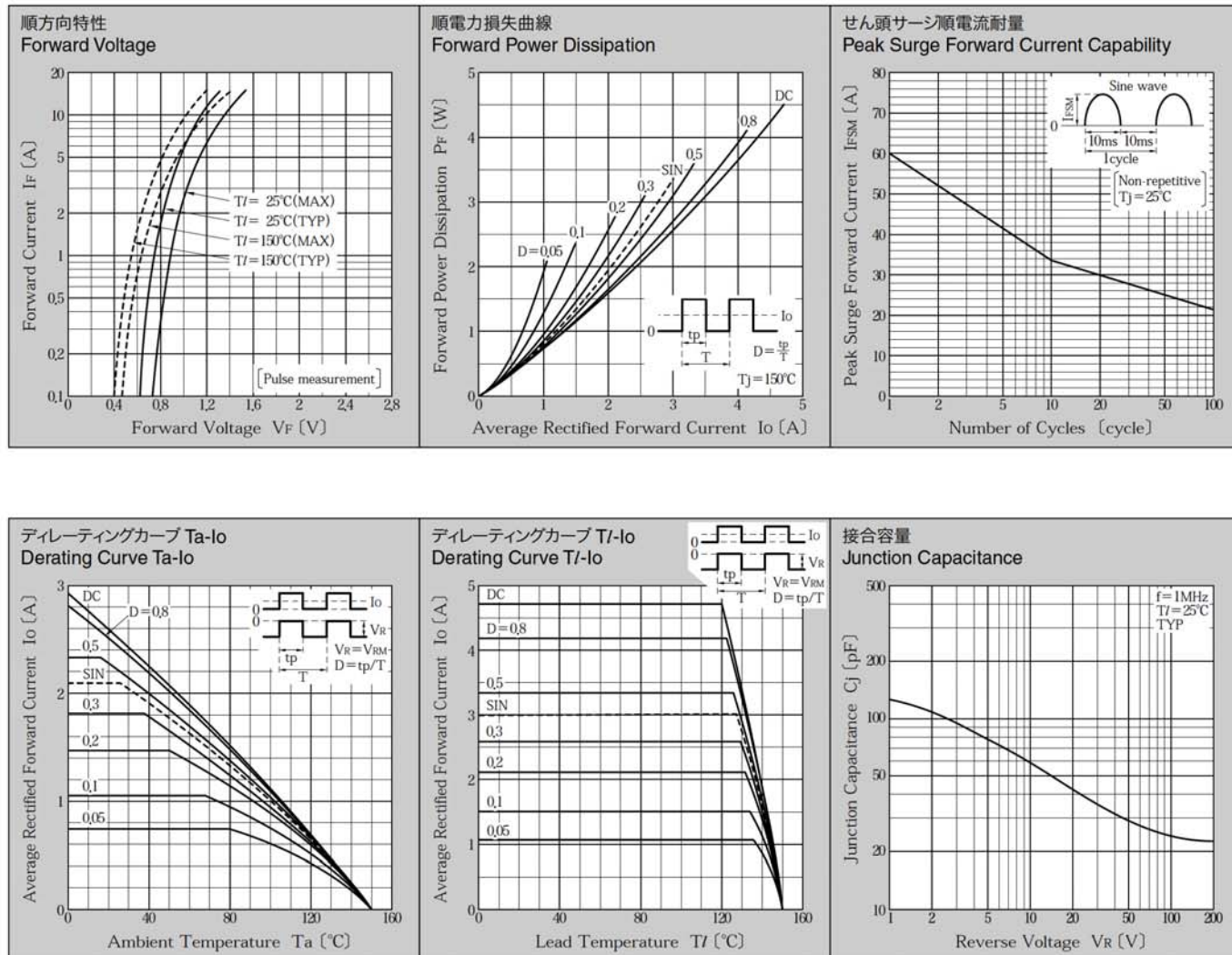
■定格表 RATINGS**●絶対最大定格 Absolute Maximum Ratings** (指定のない場合 $T_I = 25^\circ\text{C}$)

項目 Item	記号 Symbol	条件 Conditions	品名 Type No.	S3L20U	単位 Unit
保存温度 Storage Temperature	T_{stg}			-40~150	$^\circ\text{C}$
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 50Hz sine wave, Resistance load	$T_I = 128^\circ\text{C}$	3	A
			$T_a = 25^\circ\text{C}$	2.1	
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 $T_I = 25^\circ\text{C}$)

順電圧 Forward Voltage	V_F	$I_F = 2.1\text{A}$, パルス測定 Pulse measurement	MAX 0.98	V
逆電流 Reverse Current	I_R	$V_R = V_{RM}$, パルス測定 Pulse measurement	MAX 10	μA
逆回復時間 Reverse Recovery Time	t_{rr}	$I_F = 0.5\text{A}$, $I_R = 1.0\text{A}$	MAX 35	ns
熱抵抗 Thermal Resistance	θ_{jl}	接合部・リード間 Junction to lead	MAX 6.5	$^\circ\text{C/W}$
	θ_{ja}	接合部・周囲間 Junction to ambient	MAX 60	

特性図 CHARACTERISTIC DIAGRAMS



* Sine waveは50Hzで測定しています。
 * 50Hz sine wave is used for measurements.
 * 半導体製品の特性は一般的にバラツキを持っています。
 Typicalは統計的な実力を表しています。
 * Semiconductor products generally have characteristic variation.
 Typical is a statistical average of the device's ability.

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工作機器、パーソナル機器、産業用機器等
[特別用途]
輸送機器 (車載、船舶等)、基幹用通信機器、交通信号機器、防災/防犯機器、各種安全機器、医療
機器等
[特定用途]
原子力制御システム、航空機器、航空宇宙機器、海底中継機器、生命維持のための装置、システム
等
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Computers, office automation and other office equipment, communication terminals, test and measurement equipment, audio/visual equipment, amusement equipment, consumer electronics, machine tools, personal electronic equipment, industrial equipment, etc.

[Special applications]

Transportation equipment (vehicles, ships, etc.), trunk-line communication equipment, traffic signal control systems, anti-disaster/crime systems, safety equipment, medical equipment, etc.

[Specific applications]

Nuclear reactor control systems, aircraft, aerospace equipment, submarine repeaters, life support equipment and systems, etc.

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How to Order.....

1. Indication of Spec Code when ordering

Please specify the Spec Code when ordering semiconductors.
For Spec Code, Please refer to as follows and "Ordering Quality and Packing Form"

Example Ordering 7101 (lead) type of S1YB60
 S1YB60-7101

2. Spec Code

The code specifies each packing form, lead forming and terminal plate material.
Please refer to "Ordering Quality and Packing Form"

Example

