

S2L40U**400V 1.1A****特長**

- 低ノイズ
- trr=35ns

Feature

- Low Noise
- trr=35ns

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

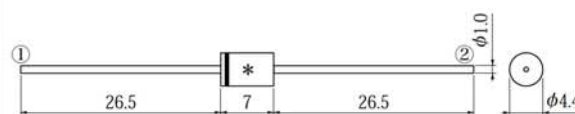
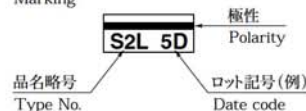
- Switching Regulator
- Fly Wheel
- Home Appliance, Office Automation, Lighting
- Communication, Factory Automation

■外観図 OUTLINE

Package : AX10

Unit:mm

Weight 0.65g (Typ)

* 捺印面展開図
Marking

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".

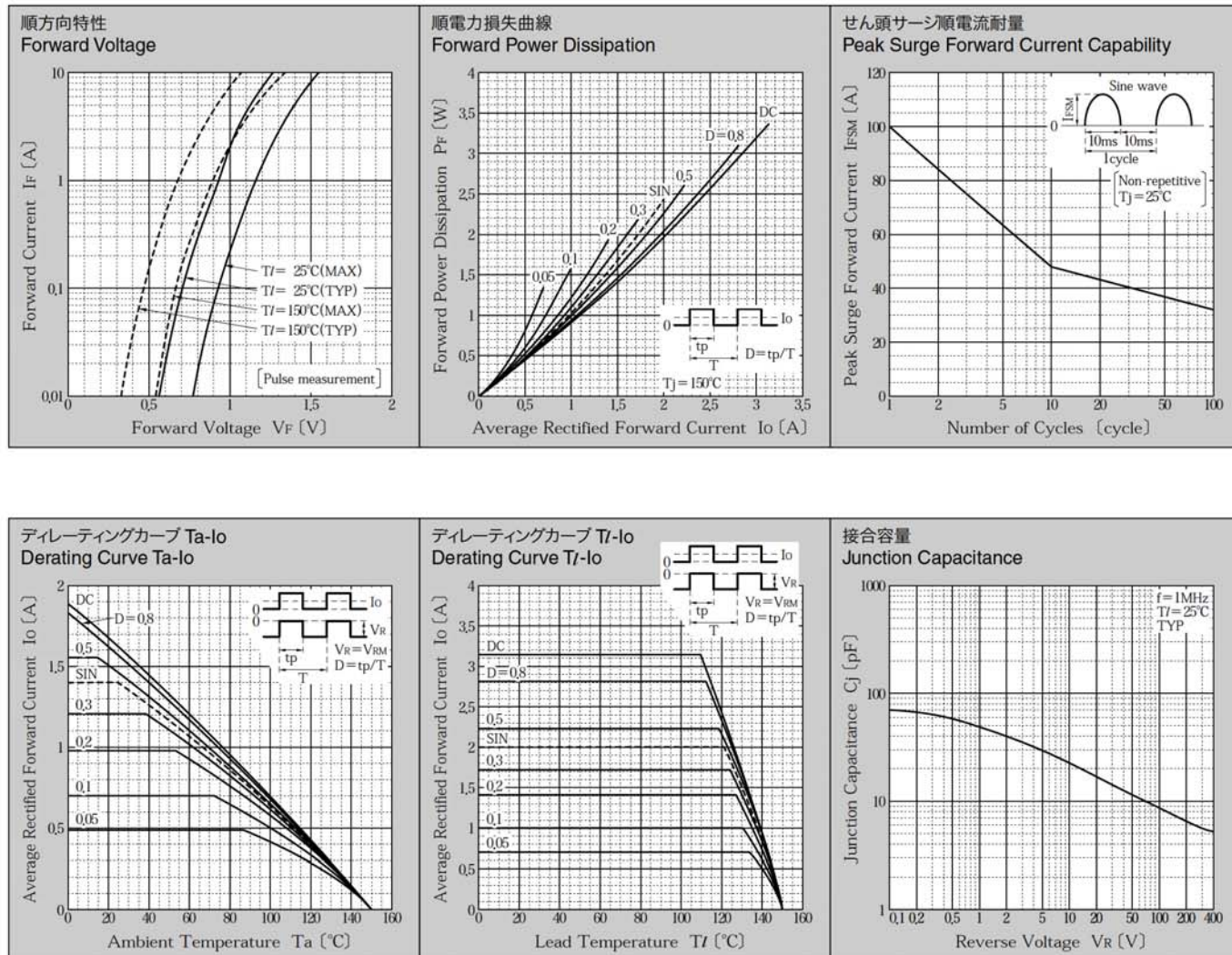
■定格表 RATINGS**●絶対最大定格 Absolute Maximum Ratings** (指定のない場合 $T_I = 25^\circ\text{C}$)

項目 Item	記号 Symbol	条件 Conditions	品名 Type No.	S2L40U	単位 Unit
保存温度 Storage Temperature	Tstg			- 55 ~ 150	℃
接合部温度 Operation Junction Temperature	Tj			150	℃
せん頭逆電圧 Maximum Reverse Voltage	V _{RM}			400	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 _a = 25℃	1.4	A
			T _I = 120℃	2	
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℃ 50Hz sine wave, Non-repetitive 1 cycle peak value, T _j = 25℃		100	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 = 2A, パルス測定 Pulse measurement	MAX 1.25	V
逆電流 Reverse Current	I _R	V _R = 400V, パルス測定 Pulse measurement	MAX 10	μA
逆回復時間 Reverse Recovery Time	trr	I _F = 0.5A, I _R = 1A, 0.25I _R	MAX 35	ns
接合容量 Junction Capacitance	C _j	f = 1MHz, V _R = 10V,	TYP 22	pF
熱抵抗 Thermal Resistance	θ _{jl}	接合部・リード間 Junction to lead	MAX 12	℃/W
	θ _{ja}	接合部・周囲間 Junction to ambient	MAX 83	

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 is a statistical average of the device's ability.
 * Semiconductor products generally have characteristic variation.
 Typical is a statistical average of the device's ability.

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