

D2S4M**40V 2A****特長**

- $T_j=150^{\circ}\text{C}$
- PRRSM アバランシェ保証

Feature

- $T_j=150^{\circ}\text{C}$
- PRRSM Rating

用途

- スイッチング電源
- DC/DC コンバータ
- 家電、ゲーム、OA機器
- 通信、ポータブル機器

Main Use

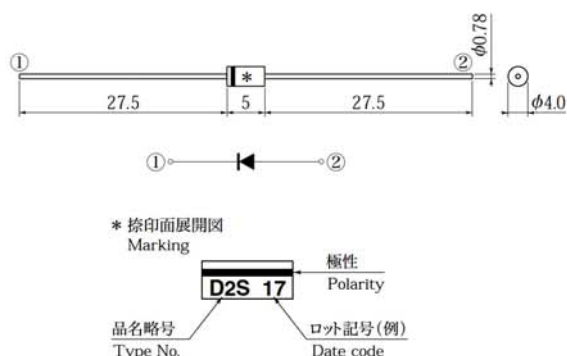
- Switching Regulator
- DC/DC Converter
- Home Appliance, Game, Office Automation
- Communication, Portable set

■外観図 OUTLINE

Package : AX078

Unit:mm

Weight 0.38g (Typ)



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".

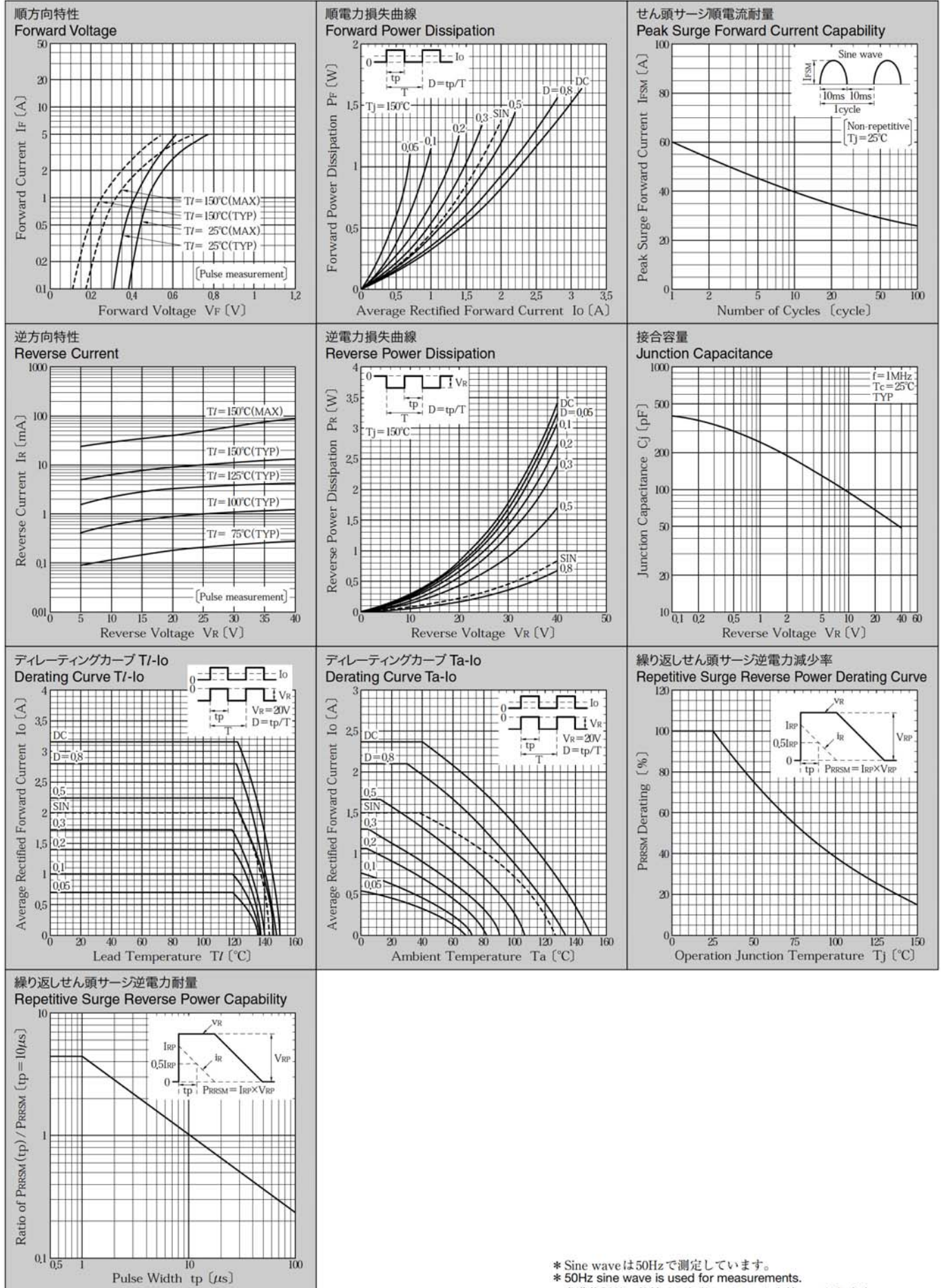
■定格表 RATINGS**●絶対最大定格 Absolute Maximum Ratings** (指定のない場合 $T_I = 25^{\circ}\text{C}$)

項目 Item	記号 Symbol	条件 Conditions	品名 Type No.	D2S4M	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}			40	V
繰り返しせん頭サージ逆電圧 Repetitive Peak Surge Reverse Voltage	V_{RRSM}	パルス幅0.5ms, duty 1/40 Pulse width 0.5ms, duty 1/40		45	V
出力電流 Average Rectified Forward Current	I_O	50Hz 正弦波, 抵抗負荷 50Hz sine wave, Resistance load	$T_a = 36^{\circ}\text{C}$	1.5	A
			$T_I = 122^{\circ}\text{C}$	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, $T_j = 25^{\circ}\text{C}$ 50Hz sine wave, Non-repetitive 1 cycle peak value, $T_j = 25^{\circ}\text{C}$		60	A
繰り返しせん頭サージ逆電力 Repetitive Peak Surge Reverse Power	P_{RRSM}	パルス幅10 μs , $T_j = 25^{\circ}\text{C}$ Pulse width 10 μs , $T_j = 25^{\circ}\text{C}$		160	W

●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	$I_F = 2\text{A}$, パルス測定 Pulse measurement	MAX 0.55	V
逆電流 Reverse Current	I_R	$V_R = V_{RM}$, パルス測定 Pulse measurement	MAX 2	mA
接合容量 Junction Capacitance	C_j	$f = 1\text{MHz}$, $V_R = 10\text{V}$	TYP 95	pF
熱抵抗 Thermal Resistance	θ_{jl}	接合部・リード間 Junction to lead	MAX 17	$^{\circ}\text{C/W}$
	θ_{ja}	接合部・周囲間 Junction to ambient	MAX 105	

■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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