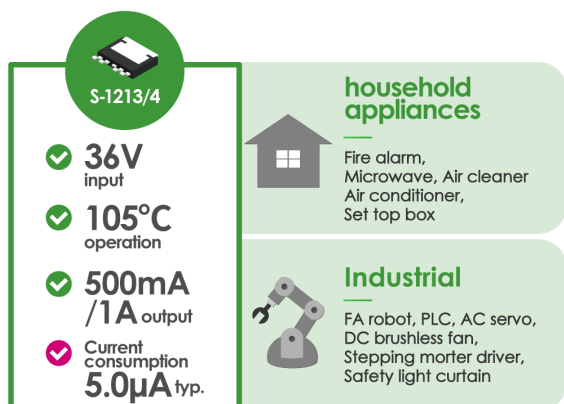




## Our high-performance LDO features high-withstand voltage, high-temperature operation and high-current capacity.



### ● Meeting every need of household appliances and industrial equipment

Household appliance and industrial equipment needs have diversified. They need to operate in harsh environments, require more current to perform multiple functions, while also satisfying the need for lower current consumption.

The S-1213/4 LDO regulators are more than able to meet these requirements.

- Ensure stable operation in harsh temperature environments up to 105°C
- Handle the high current of equipment thanks to 500mA/1A output current
- Have a self-current consumption of 5.0μA contributing to energy saving (in MCU sleep mode)

### ● High performance for greater ease of use

#### The industry's top class load transient response characteristics

The S-1213/4 Series has an ultra-low self-current consumption without the trade-off in load transient response characteristics. The transient response of this high output current voltage regulator places it in the industry's top class.

#### High-withstand voltage and high output voltage

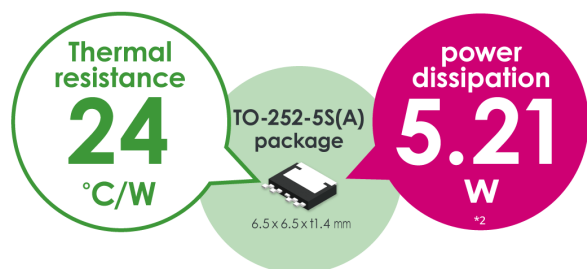
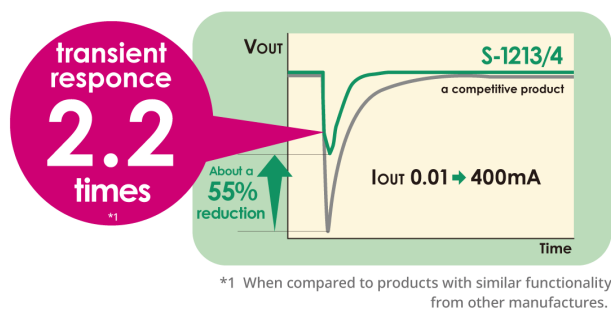
The S-1213/4 Series provides a high-withstand voltage of 36V enabling setting an output voltage of up to 30V with the use of an external resistor (in an external setting).

### ● Housed in high-power dissipation package

The regulator is housed in a **TO-252-5S(A)** package that is compatible with the industry standard TO-252-5 package.

The **TO-252-5S(A)** occupies about 35% less board space than the TO-252-5 package and is only about half as thick while providing the same level of heat dissipation.

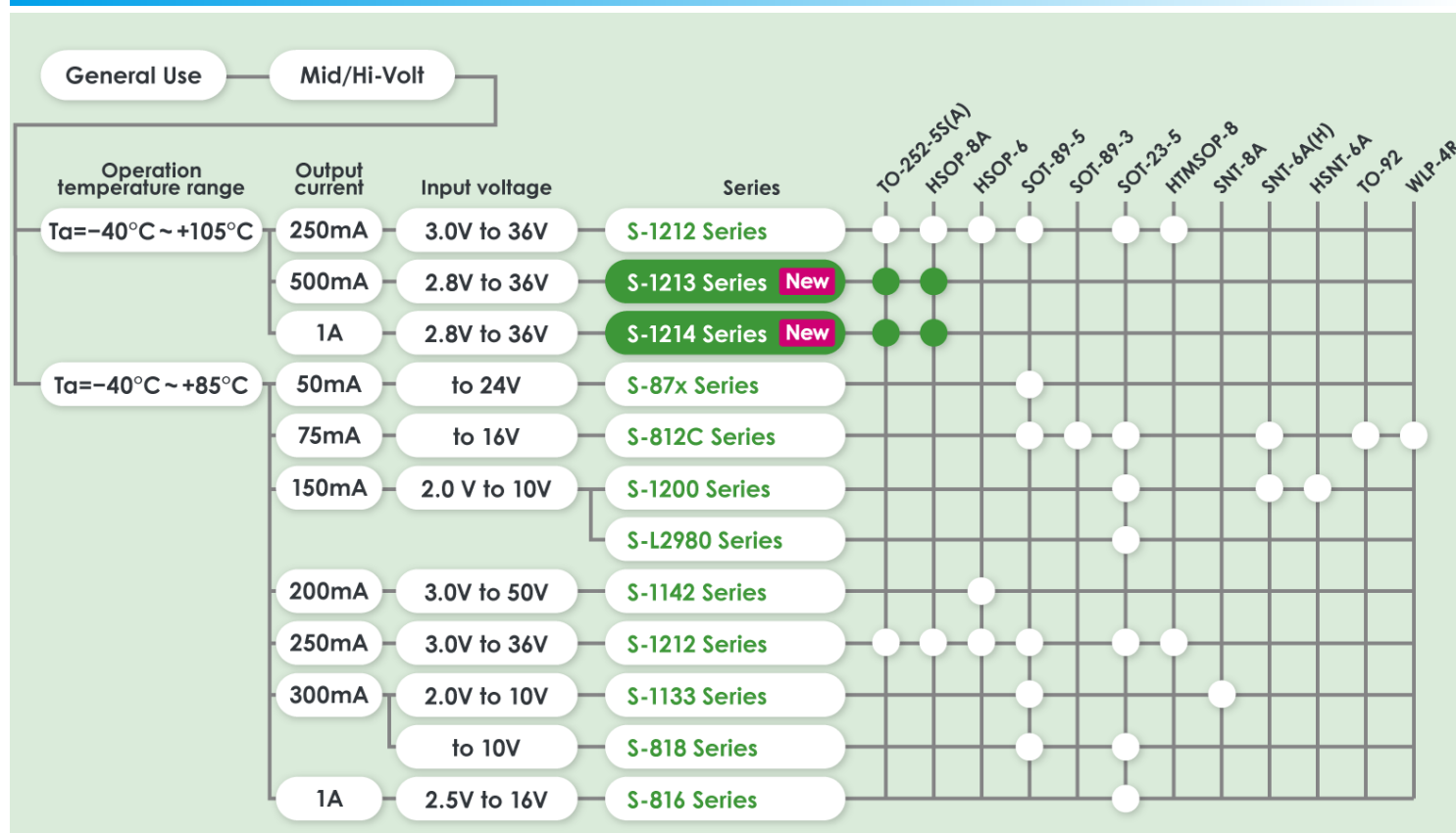
The new regulator achieves high power dissipation enabling high output current while also reducing its mounting area.



\*2 When mounted on a 4-layer high-heat dissipation PCB at T<sub>j</sub> = +150°C, T<sub>a</sub> = +25°C. Refer to the datasheet for details.



# General use LDO regulator (Mid/High-Volt) Lineup



## Features

Product name	S-1213 series for general use	S-1214 series for general use
Output current	500mA	1000mA
Output voltage (internally set)	1.8 V, 3.0 V, 3.3 V, 5.0 V, 8.0 V, 12.0 V, 15.0 V	
Output voltage (externally set)	1.8 V to 30.0 V, settable via external resistor	
Input voltage	2.8 V to 36.0 V	
Output voltage accuracy	±1.0% (Ta = +25°C)	
Current consumption	During operation : 5.0 µA typ. (Ta = +25°C) During power-off : 0.1 µA typ. (Ta = +25°C)	
Package	TO-252-5S(A), HSOP-8A	
Operation temperature range	Ta = -40°C to +105°C	

As of 4/27, 2022. All the information described herein is subject to change without notice.

**S-1213/1214 Series**

**ABLIC Inc.**

The latest information  
<https://hub.ablic.com/en/products/s-1213-1214?LF>

