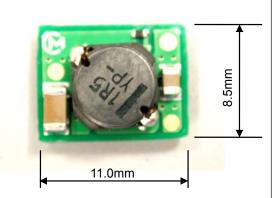
1

# **DC-DC Converter Short Form**

## MPDTY201S (Ultra Small POL)

#### Features

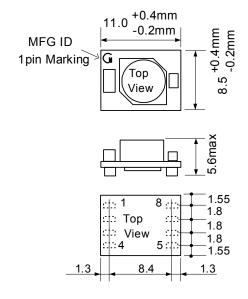
- 3.0-5.5V Wide Input Voltage Range
- 0.8-2.5V Wide Output Voltage Range
- 3Amp. Output Current
- Small Footprint (93.5mm2)
- On/Off Control Function
- Short Circuit Protection (Latch-mode Protection)
- UVLO



### ■ GENERAL SPECIFICATIONS (Ta=25°C)

Item	Symbol	Condition	MIN.	TYP.	MAX.	UNIT
Input Voltage	Vin		3.0		5.5	V
Output Voltage	Vout	Vin=5V	0.8		2.5	V
		Vin=3.3V	0.8		1.8	V
Output Current	lout		0		3	А
Remote ON/OF F	ON/OFF	Module enable (ON)	2.0	Vin		V
		Module disable (OFF)		GND	0.8	V
Ripple Voltage	Vrip	Vin=5V,Vo=2.5V,Io=3A.		20		mVpp
Efficiency	EFF	Vin=5V,Vo=2.5V,Io=3A.		87		%

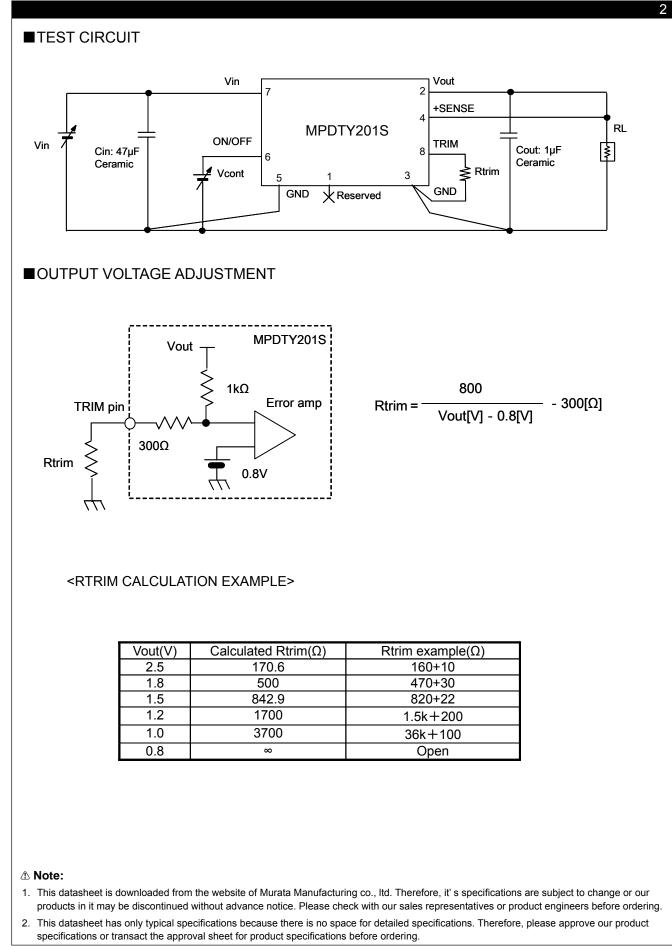
#### ■ DIMENSIONS



- Pin No. Signal
  - 1. Reserved
    - 2. Vout
  - 3. GND
  - 4. +SENSE
  - 5. GND
  - 6. ON/OFF
  - 7. Vin
  - 8. TRIM

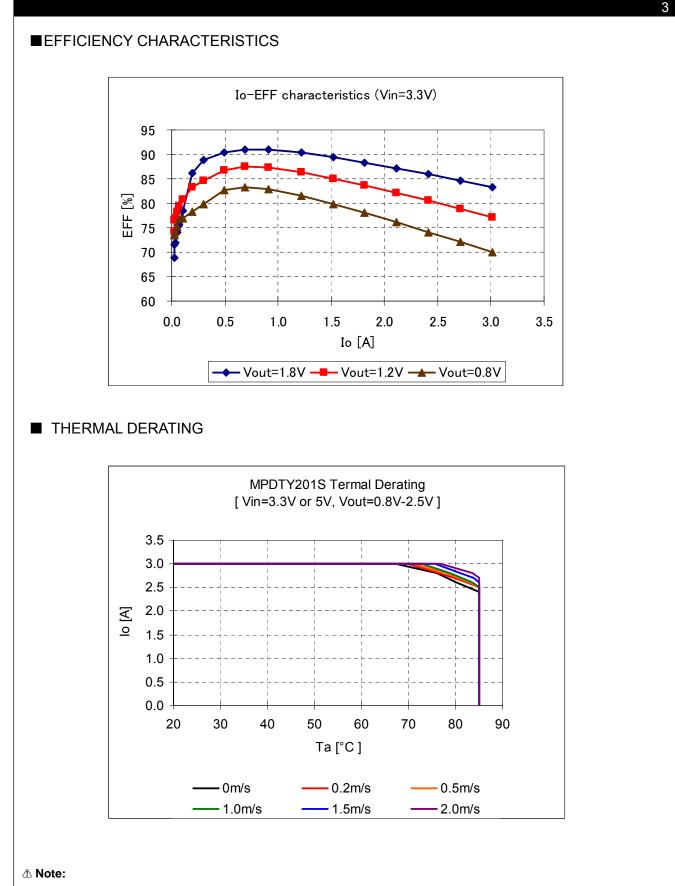
#### △ Note:

- 1. This datasheet is downloaded from the website of Murata Manufacturing co., ltd. Therefore, it's specifications are subject to change or our products in it may be discontinued without advance notice. Please check with our sales representatives or product engineers before ordering.
- 2. This datasheet has only typical specifications because there is no space for detailed specifications. Therefore, please approve our product specifications or transact the approval sheet for product specifications before ordering.



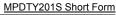


2008.1.21



1. This datasheet is downloaded from the website of Murata Manufacturing co., ltd. Therefore, it's specifications are subject to change or our products in it may be discontinued without advance notice. Please check with our sales representatives or product engineers before ordering.

2. This datasheet has only typical specifications because there is no space for detailed specifications. Therefore, please approve our product specifications or transact the approval sheet for product specifications before ordering.



2008.1.21

