

MYTNA1R86RELA2RA

6V to 14.4V input voltage, 6A, Buck Converter with 120degC Tj



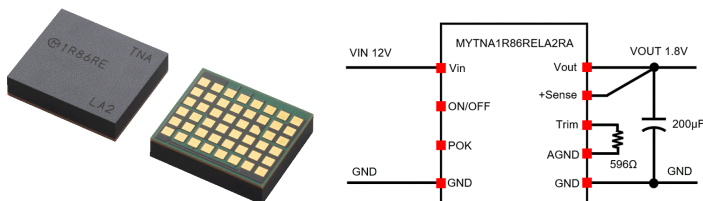
Applications

| | |
|--------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Unsuitable Applications | Please be sure to read and comply with these "Precautions for use." |
| Specific Applications | Consumer equipment,Industrial Equipment Please refer to Our Website and specifications, etc. for information about the performance, functions, quality, management, and safety required for the above applications, and use Products after confirming the performance and reliability of the actual Product. |
| Recommended Applications | Processor [ASIC / FPGA / xPU],Optical Backbone network,Optical Module, Server,Storage,Switch,Base Station, Industrial Equipment |

Features

PGOOD signal,
Over Current Protection, Over Temperature Protection,
Remote ON/OFF,
Voutsense


Appearance & Shape



Attention

- 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 review our product specifications or consult the approval sheet for product specifications before ordering.

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Specifications

| | |
|----------------------------|-------------------------------------------------------|
| Iout(A)Max | 6A |
| Vin(V) | 6V to 14.4V |
| Vin(V)typ | 12V |
| Vout(V) | 0.7V to 1.8V |
| Vout(V)typ | 1V |
| LineRegulation (%) | -1% to 1% |
| LoadRegulation (%) | -1% to 1% |
| Outputs (#) | 1 |
| Efficiency (%) | 90% |
| Switching frequency (kHz) | 1000kHz |
| Size(mm)W | 10.5mm |
| Size(mm)L | 9.0mm |
| Size(mm)T | 2.1mm |
| Operatingtemperature(degC) | -40°C to 105°C |
| Circuit topology | 2 stage buck |
| Package | SMD |
| Productseries | UltraBK |
| Product Series Features | Ultra-thin Efficient 6A DCDC converter module UltraBK |
| Brand | Murata |

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