

MYLSM00502ERPL

4.5V to 17V input voltage, 2.5A, Buck Converter with 85degC Ta



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,Industrial Equipment |

Features

Input voltage ranges from 4.5 to 17V
Settable output voltage from 1 to 5.25V
Up to 2.5 A of output current
Quick transient response to load change
Small package, 7.9 x 7.9 x 2.3mm
Short Circuit protection
Thermal protection
Enable control

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 | 2.5A |
| Vin(V) | 4.5V to 17V |
| Vin(V)typ | 12V |
| Vout(V) | 1V to 5.25V |
| Vout(V)typ | 3.3V |
| LineRegulation (%) | -2% to 2% |
| LoadRegulation (%) | -2% to 2% |
| Outputs (#) | 1 |
| Efficiency (%) | 88% |
| Switching frequency (kHz) | 2500kHz |
| Size(mm)W | 7.9mm |
| Size(mm)L | 7.9mm |
| Size(mm)T | 2.3mm |
| Operatingtemperature(degC) | -40°C to 85°C |
| Circuit topology | Buck(Step-down) |
| Package | SMD |
| Type | Modules (integrated components) |
| Productseries | MYLSM |
| Product Series Features | MYLSM series is metal enclosed single output POL (Point of Load) DC-DC converter |
| Brand | Murata |

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