

MYMGA5R03ECLA5RA

8V to 28.8V input voltage, 3.5A, Buck Converter with 120degC Tj



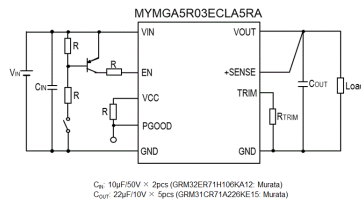
Applications

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

Input voltage ranges from 8.0 to 28.8V(Absolute maximum input voltage : 40.0V)
Settable output voltage from 3.3 to 5.0V
Up to 4A of output current(8.0-16.0V_{in}: 4A, 16.0-28.8V_{in}: 3.5A)
Quick response to load change
Size 10.5 x 9.0 x 5.6mm
High efficiency of 93% (24.0V_{in}/5.0V_{out}/3.5A_{out})
Over Current protection (OCP)
On/Off control (Positive logic)
Power Good (PGOOD) signal

Appearance & Shape



Attention

1. This datasheet is downloaded from the website of Murata Manufacturing Co., Ltd. Therefore, its 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	3.5A
Vin(V)	8V to 28.8V
Vin(V)typ	24V
Vout(V)	3.3V to 5V
Vout(V)typ	5V
LineRegulation (%)	-1.5% to 1.5%
LoadRegulation (%)	-0.5% to 0.5%
Outputs (#)	1
Efficiency (%)	93%
Switching frequency (kHz)	400kHz
Size(mm)W	9.0mm
Size(mm)L	10.5mm
Size(mm)T	5.6mm
Operatingtemperature(degC)	-40°C to 115°C
Package	SMD
Type	Buck(Step-down)
Productseries	MYMGA
Brand	Murata

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