

# MYMGC1R83BFPF2RV

3.3V to 5.5V input voltage, Quad Fixed output volage up to 3.2A, Buck Converter with I2C interface and 85degC Ta

In Production

Recommended

RoHS

## 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 3.3 to 5.5V
- Fixed 4 outputs voltage, 0.85V,0.85V,1.2V and 1.8V
- Quick transient response to load change
- Small package, 11.9×15×2.4mm
- Over current protection
- Thermal Protection
- Enable control
- Power Good signal
- I2C function
- High Reliability / Heat Shock Testing, 700cycle (-40 to +125degC)

## 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	3.2A
Vin(V)	3.3V to 5.5V
Vin(V)typ	5V
Vout(V)	0.85V
Vout(V)typ	0.85V
LineRegulation (%)	-1% to 1%
LoadRegulation (%)	-1% to 1%
Outputs (#)	4
Efficiency (%)	82%
Switching frequency (kHz)	2000kHz
Size(mm)W	11.9mm
Size(mm)L	15.0mm
Size(mm)T	2.4mm
Operatingtemperature(degC)	-40°C to 85°C
Circuit topology	Buck(Step-down)
Package	SMD
Type	Modules (integrated components)
Productseries	MYMGC
Product Series Features	MYMGC series which is POL (Point of Load)&nbsp; is multiple output MonoBK with I2C interface
Iout2(A)Max	0.5A
Vout2 (V)	0.85V
Vout2 (V)typ	0.85V

LineRegulation2 (%)	-1% to 1%
LoadRegulation2 (%)	-1% to 1%
Iout3(A)Max	0.5A
Vout3 (V)	1.2V
Vout3 (V)typ	1.2V
LineRegulation3 (%)	-1% to 1%
LoadRegulation3 (%)	-1% to 1%
Iout4(A)Max	1.5A
Vout4 (V)	1.8V
Vout4 (V)typ	1.8V
LineRegulation4 (%)	-1% to 1%
LoadRegulation4 (%)	-1% to 1%
Brand	Murata

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