

MYMGC1R83BFPF2RV

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http://www.murata.com/en-gb/products/productdetail?partno=MYMGC1R83BFPF2RV

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





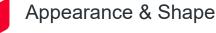
Applications

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





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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.

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pecifications

lout(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
Туре	Modules (integrated components)
Productseries	MYMGC
Product Series Features	MYMGC series which is POL (Point of Load) is multiple output MonoBK with I2C interface
lout2(A)Max	0.5A
Vout2 (V)	0.85V
Vout2 (V)typ	0.85V

LineRegulation2 (%)	-1% to 1%
LoadRegulation2 (%)	-1% to 1%
lout3(A)Max	0.5A
Vout3 (V)	1.2V
Vout3 (V)typ	1.2V
LineRegulation3 (%)	-1% to 1%
LoadRegulation3 (%)	-1% to 1%
lout4(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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