Note: This datasheet may be out of date. Please download the latest datasheet of MYSGK4R030ERSR from the official website of Murata Manufacturing Co., Ltd.

http://www.murata.com/en/products/productdetail?partno=MYSGK4R030ERSR

MYSGK4R030ERSR

4.5V to 15V input voltage, 30A, Buck Converter with 105degC 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

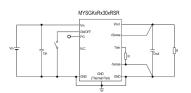
Input voltage ranges from 4.5 to 15V Settable output voltage from 0.7 to 4V Up to 30 Aof output current Quick transient response to load change Small package, 14 x 11 x 8.3mm Over current protection Thermal protection Enable control Power Good signal High Reliability / Heat Shock Testing, 700cycle (-40 to +125degC)



Appearance & Shape







(Typical topology is shown. Murata recommends an external input fuse.)

1 of 2

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- 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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MYSGK4R030ERSR



Specifications

lout(A)Max	30A
Vin(V)	4.5V to 15V
Vin(V)typ	12V
Vout(V)	0.7V to 4V
Vout(V)typ	1V
LineRegulation (%)	-1% to 1%
LoadRegulation (%)	-1% to 1%
Outputs (#)	1
Efficiency (%)	94.4%
Switching frequency (kHz)	425kHz
Size(mm)W	14.0mm
Size(mm)L	11.0mm
Size(mm)T	8.3mm
Operatingtemperature(degC)	-40°C to 105°C
Circuit topology	Buck(Step-down)
Package	SMD
Туре	Modules (integrated components)
Productseries	MYSGK
Product Series Features	MYSGK series which is POL (Point of Load) is single output MonoBK.
Brand	Murata

2 of 2

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