

MYMGK1R820FRSR-H

In Production

Recommended

New

RoHS

Appearance & Shape



Features

- Input voltage ranges from 4.5 to 8V
- Settable output voltage from 0.7 to 1.8V
- Up to 20 A of output current
- Quick transient response to load change
- Small package, 9 x 10.5 x 5.6mm
- Over current protection
- Thermal protection
- Enable control
- Power Good signal
- High Reliability / Heat Shock Testing, 700cycle (-40 to +125degC)
- Meets CISPR 22 class B conducted emission

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	20A
Vin(V)	4.5V to 8V
Vin(V)typ	5V
Vout(V)	0.7V to 1.8V
Vout(V)typ	1V
LineRegulation (%)	-1.5% to 1.5%
LoadRegulation (%)	-1% to 1%
Outputs (#)	1
Efficiency (%)	89.2%
Switching frequency (kHz)	500kHz
Size(mm)W	9.0mm
Size(mm)L	10.5mm
Size(mm)T	5.6mm
Operatingtemperature(degC)	-40°C to 105°C
Circuit topology	Buck(Step-down)
Package	SMD
Type	Modules (integrated components)
Productseries	MYMGK
Product Series Features	MYMGK series which is POL (Point of Load) is single output MonoBK.
Brand	Murata

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