

mypma01218rcf-cab

36V to 75V input voltage, 12V output voltage up to 10A, Buck Converter with 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.

Features

Input voltage ranges from 36 to 75V
Fixed outputs voltage, 12V
Up to 10 A of output current and 120W (216W peak)
Small package, 86.5 x 122.4 x 35.4mm
Light weight, 160g
IP56 compliance
Vibration-proof case design
Current limit and short circuit protection
Thermal protection

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	10A
Vin(V)	36V to 75V
Vin(V)typ	48V
Vout(V)	12V
Vout(V)typ	12V
LineRegulation (%)	-5% to 5%
LoadRegulation (%)	-5% to 5%
Outputs (#)	1
Efficiency (%)	95%
Switching frequency (kHz)	102kHz
Size(mm)W	122.36mm
Size(mm)L	86.5mm
Size(mm)T	35.3mm
Operatingtemperature(degC)	-20°C to 85°C
Circuit topology	Buck(Step-down)
Package	Connector
Type	Modules (integrated components)
Productseries	MYPMA
Product Series Features	MYPAM series is non-isolated DC-DC converter for E-Bike/Scooter's auxiliary applications.
Brand	Murata

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