

MTU1S0512MC

In Production

Recommended

RoHS

Appearance & Shape



Features

12V 83mA, 1W Single Output Isolation 1kVDC, DC-DC Converter 4.5V-5.5V Input

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

Output power(W)Max	1W
Vin(V)	4.5V to 5.5V
Vin(V)typ	5V
Vout(V)	12V
Vout(V)typ	12V
LineRegulation(%)	-1.1% to 1.1%
LoadRegulation(%)	7.5%
Isolation Voltage(V)	1000V
Efficiency(%)	87%
Size(mm)W	8.2mm
Size(mm)L	8.4mm
Size(mm)T	8.5mm
Operatingtemperature(degC)	-40°C to 85°C
Outputs(#)	1
Iout(A)Max	0.083A
Package	SMD
Productseries	MTU
Product Series Features	Isolated 1W Single Output SM DC-DC Converters
Regulation	Unregulated
Safety Approval	UL60950
Brand	MPS

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