

MGJ2D121505MPC

In Production

Recommended

New

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.
Recommended Applications	Gate driver power supply

Features

15V/-5V,
100mA/100mA, Isolated 2W Dual Output
5.7kVDC, DC-DC

Appearance & Shape



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	2W
Isolation Voltage (V)	5700V
Isolation capacitance(pF)	3pF
Vin(V)	10.8V to 13.2V
Vin(V)typ	12V
Vout(V)	15V
Vout(V)typ	15V
LineRegulation (%)	1.25%
LoadRegulation (%)	14%
Efficiency (%)	77%
Size(mm)W	14.99mm
Size(mm)L	19.94mm
Size(mm)T	4.41mm
Operatingtemperature(degC)	-40°C to 90°C
Outputs (#)	2
Iout(A)Max	0.1A
Package	SMD
Productseries	MGJ2 SM

Product Series Features	The MGJ2 series of DC-DC converters is ideal for powering 'high side' and 'low side' gate drive circuits for IGBTs/SiC and MOSFETs in bridge circuits. A choice of asymmetric output voltages allows optimum drive levels for best system efficiency. The MGJ2 series is characterised for high isolation requirements commonly seen in bridge circuits used in motor drives and inverters, while the MGJ2 industrial grade temperature rating and construction gives long service life and reliability.
Vout2 (V)	-5V
Vout2 (V)typ	-5V
LoadRegulation2 (%)	12%
Iout2(A)Max	0.1A
Brand	Murata Power Solutions

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