

# IRH-12/21-W80NB-C

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

250W, 12Vo/21A, 16V-160Vin, Isolated DC-DC Converter, Negative Logic, Meets requirements for EN50155

## 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.

# IRH-12/21-W80NB-C

## Specifications

Output power (W)Max	250W
Vin(V)	16V to 160V
Vin(V)typ	72V
Vout(V)	12V
Vout(V)typ	12V
LineRegulation (%)	-0.2% to 0.2%
LoadRegulation (%)	-0.2% to 0.2%
Isolation Voltage (V)	4242V
Efficiency (%)	91%
Size(mm)W	60.7mm
Size(mm)L	63.2mm
Size(mm)T	14.0mm
Operatingtemperature(degC)	-40°C to 85°C
Outputs (#)	1
Iout(A)Max	21A
Form	1/2 Brick
Package	DIP
Productseries	IRH-W80
Product Series Features	250W 10:1 Ultra Wide Input Encapsulated Half-Brick Isolated DC-DC Converter for Railway
Regulation	Regulated
Safety Approval	UL 60950-1, IEC/EN60950-1, 2nd Edition
Brand	Murata Power Solutions

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