

# IRV300-12W80-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

300W, 12Vo/25A, 16.8V-160Vin, Isolated DC-DC Converter,  
Compliant to Railway standards EN 50155 and EN 50121-3-2

## 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.

# IRV300-12W80-C



## Specifications

Output power (W)Max	300W
Vin(V)	16.8V to 160V
Vin(V)typ	110V
Vout(V)	12V
Vout(V)typ	12V
LineRegulation (%)	-0.5% to 0.5%
LoadRegulation (%)	-0.5% to 0.5%
Isolation Voltage (V)	4250V
Efficiency (%)	92%
Size(mm)W	116.0mm
Size(mm)L	184.6mm
Size(mm)T	39.7mm
Operatingtemperature(degC)	-40°C to 85°C
Outputs (#)	1
Iout(A)Max	25A
Form	Enclosed
Package	Connector
Productseries	IRV300
Product Series Features	300W 10:1 Ultra Wide Input Encased Chassis-Mount Isolated DC-DC Converter for Railway
Regulation	Regulated
Safety Approval	UL 62368-1, IEC/EN62368-1, EN 45545
Brand	Murata Power Solutions

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