

HPQ-12/25-D48NB-C

Note: This datasheet may be out of date.

Please download the latest datasheet of HPQ-12/25-D48NB-C from the official website of Murata Manufacturing Co., Ltd.

http://www.murata.com/en/products/productdetail?partno=HPQ-12%2f25-D48NB-C









Appearance & Shape





Features

12V, 25A, Single Output Isolated DC-DC Converter, Low Profile Quarter-Brick, Negative polarity, Baseplate installed

1 of 2

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.





Product Search Data Sheet

Note: This datasheet may be out of date. Please download the latest datasheet of HPQ-12/25-D48NB-C from the official website of Murata Manufacturing Co., Ltd.

http://www.murata.com/en/products/productdetail?partno=HPQ-12%2f25-D48NB-C

HPQ-12/25-D48NB-C



Specifications

Output power (W)Max 300W Vin(V) 36V to 75V Vin(V)typ 48V Vout(V) 12V Vout(V)typ 12V LineRegulation (%) -0.125% to 0.125% LoadRegulation (%) -0.25% to 0.25% Isolation Voltage (V) 2250V Efficiency (%) 94.5% Size(mm)W 36.8mm Size(mm)L 58.4mm Size(mm)T 12.7mm Operatingtemperature(degC) -40°C to 85°C Outputs (#) 1 Iout(A)Max 25A Form 1/4 Brick Package DIP Productseries HPQ Product Series Features Isolated 300-Watt Quarter Brick DC-DC Converters Brand Murata Power Solutions		
Vin(V)typ 48V Vout(V) 12V Vout(V)typ 12V LineRegulation (%) -0.125% to 0.125% LoadRegulation (%) -0.25% to 0.25% Isolation Voltage (V) 2250V Efficiency (%) 94.5% Size(mm)W 36.8mm Size(mm)L 58.4mm Size(mm)T 12.7mm Operatingtemperature(degC) -40°C to 85°C Outputs (#) 1 Iout(A)Max 25A Form 1/4 Brick Package DIP Productseries HPQ Product Series Features Isolated 300-Watt Quarter Brick DC-DC Converters	Output power (W)Max	300W
Vout(V) 12V Vout(V)typ 12V LineRegulation (%) -0.125% to 0.125% LoadRegulation (%) -0.25% to 0.25% Isolation Voltage (V) 2250V Efficiency (%) 94.5% Size(mm)W 36.8mm Size(mm)L 58.4mm Size(mm)T 12.7mm Operating temperature (degC) -40°C to 85°C Outputs (#) 1 Iout(A)Max 25A Form 1/4 Brick Package DIP Productseries HPQ Product Series Features Isolated 300-Watt Quarter Brick DC-DC Converters	Vin(V)	36V to 75V
Vout(V)typ 12V LineRegulation (%) -0.125% to 0.125% LoadRegulation (%) -0.25% to 0.25% Isolation Voltage (V) 2250V Efficiency (%) 94.5% Size(mm)W 36.8mm Size(mm)L 58.4mm Size(mm)T 12.7mm Operating temperature (degC) -40°C to 85°C Outputs (#) 1 Iout(A)Max 25A Form 1/4 Brick Package DIP Productseries HPQ Product Series Features Isolated 300-Watt Quarter Brick DC-DC Converters	Vin(V)typ	48V
LineRegulation (%) -0.125% to 0.125% LoadRegulation (%) -0.25% to 0.25% Isolation Voltage (V) Efficiency (%) 94.5% Size(mm)W 36.8mm Size(mm)L 58.4mm 12.7mm Operatingtemperature(degC) -40°C to 85°C Outputs (#) 1 Iout(A)Max 25A Form 1/4 Brick Package DIP Productseries HPQ Isolated 300-Watt Quarter Brick DC-DC Converters	Vout(V)	12V
LoadRegulation (%) Isolation Voltage (V) Efficiency (%) 94.5% Size(mm)W 36.8mm Size(mm)L 58.4mm 12.7mm Operatingtemperature(degC) Outputs (#) Iout(A)Max Form 1/4 Brick Package DIP Product Series Features Isolated 300-Watt Quarter Brick DC-DC Converters	Vout(V)typ	12V
Isolation Voltage (V) Efficiency (%) 94.5% Size(mm)W 36.8mm Size(mm)L 58.4mm 12.7mm Operatingtemperature(degC) -40°C to 85°C Outputs (#) 1 Iout(A)Max 25A Form 1/4 Brick Package DIP Productseries HPQ Isolated 300-Watt Quarter Brick DC-DC Converters	LineRegulation (%)	-0.125% to 0.125%
Efficiency (%) 94.5% Size(mm)W 36.8mm Size(mm)L 58.4mm 12.7mm Operatingtemperature(degC) -40°C to 85°C Outputs (#) 1 lout(A)Max 25A Form 1/4 Brick Package DIP Productseries HPQ Product Series Features Isolated 300-Watt Quarter Brick DC-DC Converters	LoadRegulation (%)	-0.25% to 0.25%
Size(mm)W Size(mm)L 58.4mm 12.7mm Operatingtemperature(degC) -40°C to 85°C Outputs (#) 1 lout(A)Max 25A Form 1/4 Brick Package DIP Productseries HPQ Isolated 300-Watt Quarter Brick DC-DC Converters	Isolation Voltage (V)	2250V
Size(mm)L Size(mm)T 12.7mm Operatingtemperature(degC) -40°C to 85°C Outputs (#) 1 lout(A)Max 25A Form 1/4 Brick Package DIP Productseries HPQ Isolated 300-Watt Quarter Brick DC-DC Converters	Efficiency (%)	94.5%
Size(mm)T 12.7mm Operatingtemperature(degC) -40°C to 85°C Outputs (#) 1 lout(A)Max 25A Form 1/4 Brick Package DIP Productseries HPQ Product Series Features Isolated 300-Watt Quarter Brick DC-DC Converters	Size(mm)W	36.8mm
Operatingtemperature(degC) -40°C to 85°C Outputs (#) 1 Iout(A)Max 25A Form 1/4 Brick Package DIP Productseries HPQ Product Series Features Isolated 300-Watt Quarter Brick DC-DC Converters	Size(mm)L	58.4mm
Outputs (#) Iout(A)Max 25A Form 1/4 Brick Package DIP Productseries HPQ Isolated 300-Watt Quarter Brick DC-DC Converters	Size(mm)T	12.7mm
Iout(A)Max 25A Form 1/4 Brick Package DIP Productseries HPQ Isolated 300-Watt Quarter Brick DC-DC Converters	Operatingtemperature(degC)	-40°C to 85°C
Form 1/4 Brick Package DIP Productseries HPQ Product Series Features Isolated 300-Watt Quarter Brick DC-DC Converters	Outputs (#)	1
Package DIP Productseries HPQ Product Series Features Isolated 300-Watt Quarter Brick DC-DC Converters	lout(A)Max	25A
Product Series Features HPQ Isolated 300-Watt Quarter Brick DC-DC Converters	Form	1/4 Brick
Product Series Features Isolated 300-Watt Quarter Brick DC-DC Converters	Package	DIP
Product Series Features Brick DC-DC Converters	Productseries	HPQ
Brand Murata Power Solutions	Product Series Features	
	Brand	Murata Power Solutions

2 of 2

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.

