

D1U54-D-2500-12-HB4C

In Production

Recommended

RoHS

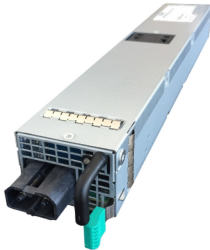
Applications

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

D1U54-D-2500-12-HAxC provides 2500 W, is 54.5 mm wide and highly efficient. Accepts DC input, -48 / -60V nominal and provides a 12Vdc main output and a 12V standby output. 58 W/in3 power density, includes internal fan, back to front airflow, active current sharing, status LED and hardware logic signals, PMBus™ digital communications. Delivers reliable power to servers, workstations, storage systems and other 12 V distributed power architectures.

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.

D1U54-D-2500-12-HB4C



Specifications

Output power (W)Max	2536W
Totaloutput power (W)	2536W
Form	1U x 54mm x 321.5mm enclosed
Vin (VDC)	-70Vdc to -40.8Vdc
Vin (VDC)typ	-48Vdc
Vout(V)	11.94V to 12.06V
Vout(V)typ	12V
LineRegulation (%)	0.025%
LoadRegulation (%)	0.025%
Iout(A)Max	208.3A
Iout (A)Peak	208.3A
Isolation Voltage (Vrms)	1060Vrms
Efficiency (%)	95%
Size(mm)W	54.0mm
Size(mm)L	321.5mm
Size(mm)T	40.0mm
Operatingtemperature(degC)	-5°C to 50°C
Outputs (#)	2
Productseries	D1U54-D-2500-12-HxxC

Product Series Features	D1U54-D-2500-12-HxxC provides 2500 W, is 54.5 mm wide and highly efficient. Accepts DC input, -48 / -60V nominal and provides a 12Vdc main output and a standby output. 58 W/in ³ power density, includes internal fan, active current sharing, status LED and hardware logic signals, PMBus™ digital communications. Delivers reliable power to servers, workstations, storage systems and other 12 V distributed power architectures.
Safety Approval	IEC 62368-1:2014 CAN/CSA-C22.2 No. 62368-1-14, UL 62368-1, 2nd edition EN 62368-1:20 GB4943.1-2011(CQC)14+A11
Vout2 (V)	11.94V to 12.06V
Vout2 (V)typ	12V
LineRegulation2 (%)	0.05%
LoadRegulation2 (%)	0.05%
Iout2(A)Max	3A
Brand	Murata Power Solutions

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