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D1U74T-W-2700-12-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

Standard Intel® CRPS form-factor; 2700W total output capability 220-240Vac Nom; 1200W total output capability 100-127Vac Nom.; IEC320-C20 AC input connector; Card Edge DC Output and Signal I/O; HVDC 240VDC capability; where regions permit; Operation over the range 0°C +55°C without derating; ≥96% efficiency at 50% load; 12Vdc Main output, 2700W; 12Vdc Standby output, 36W; Compact Package; >82W per cubic inch, N+1 redundancy; Active current sharing (main 12Vdc); Integral ORING isolation devices for both outputs; Overvoltage, overcurrent, overtemperature fault protection; Internal cooling fan, back to front airflow, variable speed controlled

Appearance & Shape



Attention
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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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D1U74T-W-2700-12-HB4C

Specifications

Output power (W)Max	2700W
Totaloutput power (W)	2700W
Form	1U x 73.5 x 185.0
Vin (VAC)	90Vac to 264Vac
Vin (VDC)	180Vdc to 300Vdc
Vin (VDC)typ	240Vdc
Vout(V)	11.84V to 12.57V
Vout(V)typ	12V
LineRegulation (%)	3%
LoadRegulation (%)	3%
Iout(A)Max	225A
Iout (A)Peak	225A
Isolation Voltage (Vrms)	3000Vrms
Efficiency (%)	96%
Size(mm)W	73.5mm
Size(mm)L	185.0mm
Size(mm)T	40.0mm
Operatingtemperature(degC)	0℃ to 55℃
Outputs (#)	2
Productseries	D1U74T-W-2700-12-HBxC

Product Series Features	D1U74T-W-2700-12-HBxC is a series of compact 2700W highly efficient front end power supply modules that provide a 12Vdc main and a 12Vdc standby output. Additional features include active current sharing, a multi-function status LED, hardware logic signals and PMBusTM 1.2 compliant digital communications capability compliant with Intel® CRPS standard. The low profile, ultra-high power density 82W/cubic inch package is ideal for delivering reliable, efficient power to servers, workstations, storage systems and other 12V distributed power architectures
Safety Approval	UL62368-1: 2014 (2nd Edition) (Information Technology Equipment – safety - Part 1: General Requirements). CAN/CSA-C22.2 No. 62368-1: 2014 (2nd Edition) (Information Technology Equipment - Safety - Part 1: General Requirements) TUV: EN 62368-1:2014 (2nd Edition) CQC: GB4943.1-2011 BSMI: CNS14336-1 EAC: IEC 60950-1: 2005, AMD1:2009, AMD2:2013 KC: K60950-1 (2011-12) IRAM: IEC 60950-1: 2005, AMD1:2009, AMD2:2013 BIS: IEC 60950-1: 2005, AMD1:2009, AMD2:2013 CB: IEC 60950-1:2005, AMD1:2009, AMD2:2013 CB: IEC 62368-1:2014 (2nd Edition)

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D1U74T-W-2700-12-HB4C

Vout2 (V)	11.59V to 12.81V
Vout2 (V)typ	12V
LineRegulation2 (%)	0.05%
LoadRegulation2 (%)	0.05%
Iout2(A)Max	3A
Iout2 (A)Peak	3A
Brand	Murata Power Solutions

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