

Product Search Data Sheet

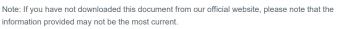
D1U74T-W-2700-12-HB3C

RoHS

In Production Recommended

Applications

Unsuitable	Please be sure to read and comply with
Applications	these "Precautions for use."
	Consumer equipment, Industrial
	Equipment
	Please refer to Our Website and
	specifications, etc. for information about
Specific	the performance, functions, quality,
Applications	management, and safety required for
	the above applications, and use
	Products after confirming the
	performance and reliability of the actual
	Product.



Please download the latest datasheet of D1U74T-W-2700-12-HB3C from the official website of Murata

http://www.murata.com/en-us/products/productdetail?partno=D1U74T-W-2700-12-HB3C

# 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, Front to Back airflow, variable speed controlled

### 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

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2. This datasheet has only typical specifications because there is no space for detailed specifications.

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### 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%
lout(A)Max	225A
lout (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°C to 55°C
Outputs (#)	2
Productseries	D1U74T-W-2700-12-HBxC

	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
Drawland Opering Frankruss	and PMBusTM 1.2 compliant
Product Series Features	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
	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)
Safety Approval	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-HB3C

Vout2 (V)	11.59V to 12.81V
Vout2 (V)typ	12V
LineRegulation2 (%)	0.05%
LoadRegulation2 (%)	0.05%
lout2(A)Max	3A
lout2 (A)Peak	3A
Brand	Murata Power Solutions

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