



Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of “Quality Parts,Customers Priority,Honest Operation,and Considerate Service”,our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



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## CP - DCDC 50W

### Switchmode Power Supply

### DC to DC Converter Family

# NEW

The CP-DCDC 50W is a compact 50W DIN rail mounted DC to DC converter family.

This family is available in 2 input versions and 4 output variations, making it very versatile.

- 12V and 24V input versions
- 5V, 12V, 15V and 24V output variations
- user adjustable output voltage
- input and output plug-socket connectors
- output status LED
- DIN rail (TS35) mountable
- chassis mountable with optional hardware
- just 57mm (2.24") wide
- robust metal housing



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# CP-DCDC 50W

Specifications	
Output Voltage/Max. Current	factory setting
	adjustment range
Input Voltage	minimum
	typical
	maximum
Input Current	
Input Protection	fuse
Switching Frequency	
Efficiency @ max load	
Maximum Ripple	
Regulation	load (10 - 100% load)
	line
Protection	Short Circuit
	Over Voltage
	Under Voltage
	Other
Max. Load Capacitance on Output	
Hold Time	
Temperature Range	storage
	operating
Humidity	storage
	operating
Galvanic Isolation	input to output
	input/output to rail
	input to ground
	output to ground
Wire Size	
Dimensions	length x width x height
Weight	
Approvals/Certifications	
Ordering Data	
Accessories	Chassis Mounting Kit

12Vdc Input Version			
5Vdc@8A	12Vdc@3A	15Vdc@3A	24Vdc@2A
4.6Vdc to 5.6Vdc	10.5Vdc to 14.5Vdc	13Vdc to 18Vdc	20.5Vdc to 29.5Vdc
		10.2Vdc	
		12.0Vdc	
		13.8Vdc	
4.53A	3.88A	4.7A	4.96A
		10A slow blow	
		180 KHz PWM	
75%	80%	80%	80%
		0.2% RMS	
2.00%	0.50%	0.50%	0.20%
0.50%	0.25%	0.30%	0.50%
		Yes	
		Yes	
		Yes	
		Continuous short circuit protection on output	
8000uF	10000uF	10000uF	10000uF
2.5ms	3.8mS	3.5mS	3.5mS
		-40°C to +85°C (-40°F..185°F)	
		-10°C to +50°C (14°F..122°F) Derate: 20% @ 60°C (140°F)	
		20 to 90%	
		20 to 85%	
		500Vac RMS	
		4KV RMS	
		500Vac RMS	
		500Vac RMS	
		0.1 - 4.0mm <sup>2</sup> (26-12AWG)	
		98 x 57 x 131mm (3.9" x 2.24" x 5.16")	
		454g (1lb)	
		CSA, UL, CE	
9919371205	9919371212	9919371215	9919371224
		7920560000	

Specifications	
Output Voltage/Max. Current	factory setting
	adjustment range
Input Voltage	minimum
	typical
	maximum
Input Current	
Input Protection	fuse
Switching Frequency	
Efficiency @ max load	
Maximum Ripple	
Regulation	load (10 - 100% load)
	line
Protection	Short Circuit
	Over Voltage
	Under Voltage
	Other
Max. Load Capacitance on Output	
Hold Time	
Temperature Range	storage
	operating
Humidity	storage
	operating
Galvanic Isolation	input to output
	input/output to rail
	input to ground
	output to ground
Wire Size	
Dimensions	length x width x height
Weight	
Approvals/Certifications	
Ordering Data	
Accessories	Chassis Mounting Kit

24Vdc Input Version			
5Vdc@8A	12Vdc@3A	15Vdc@3A	24Vdc@2A
4.6Vdc to 5.6Vdc	10.5Vdc to 14.5Vdc	13Vdc to 18Vdc	20.5Vdc to 29.5Vdc
20.4Vdc		24.0Vdc	
		27.6Vdc	
2.3A	1.93A	2.37A	2.49A
		6.3A slow blow	
		330KHz PWM	
75%	80%	80%	80%
		0.2% RMS	
1.50%	0.50%	0.50%	0.20%
0.10%	0.10%	0.10%	0.10%
		Yes	
		Yes	
		Yes	
		Continuous short circuit protection on output	
		8000uF	
7.8mS	10mS	7mS	7mS
		-40°C to +85°C (-40°F..185°F)	
		-10°C to +50°C (14°F..122°F) Derate: 20% @ 60°C (140°F)	
		20 to 90%	
		20 to 85%	
		500Vac RMS	
		4KV RMS	
		500Vac RMS	
		500Vac RMS	
		0.1 - 4.0mm <sup>2</sup> (26-12AWG)	
		98 x 57 x 131mm (3.9" x 2.24" x 5.16")	
		454g (1lb)	
		CSA, UL, CE	
9919372405	9919372412	9919372415	9919372424
		7920560000	