

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 ² (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 ² (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	

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