

DC/DC CDD 系列

小尺寸、双路独立稳压

40-100W



物理特性

结构尺寸: 100*80*19mm
重量: 0.3Kg

特性

Features

- 输入 π 型滤波 π type input filter
- 快速动态响应 Fast dynamic response
- 高可靠性, 长寿命设计 Design for high reliability, long lifetime
- 双路独立稳压 Two stable outputs
- 引出脚功能兼容 Pin function compatible
- 主副路电压精度高 Main & Aux output voltages with high accuracy

输入特性

Input Characteristics

电压范围: (Voltage Range)	DC-DC 12V _{DC} (Normal)	9-18V _{DC}
	24V _{DC} (Normal)	18-36V _{DC}
	48V _{DC} (Normal)	36-72V _{DC}

反压保护: 应用时外接电熔丝
(Voltage Range) (External Fuse)

输出特性

Output Characteristics

稳压精度: (Regulated Voltage Accuracy)	$\pm 1\%$
电压调整率: (Line Regulation)	$\pm 0.2\%$
负载调整率: (Load Regulation)	$\pm 0.5\%$
温度变化率: (Temperature Coefficient)	$\pm 0.02\% / ^\circ\text{C}$
电流限制点: (Output Current Limiting)	120% (Typ)
瞬态响应: (Transient Response)	400 μs

一般特性

General Characteristics

工作频率 (典型值): (Switching Frequency)	200 KHz
隔离电阻: (Isolation Resistance)	200 (Typ) M Ω
MTBF:	>500000 hrs

绝缘强度 (Insulation Voltage)

输入 - 输出: (Input-Output)	> 1500 V _{DC}
输入 - 外壳: (Input-Case)	> 1050 V _{DC}
输出 - 外壳: (Output-Case)	> 500 V _{DC}

环境特性 (Environmental Characteristics)

工作壳温: (Operation Temperature)	工业品 (Industry)	-25~+85 $^\circ\text{C}$
	军 I (Military I)	-40~+85 $^\circ\text{C}$
存储温度: (Storage Temperature)	军 II (Military II)	-55~+85 $^\circ\text{C}$
	工业品 (Industry)	-45~+105 $^\circ\text{C}$
	军品 (Military)	-55~+105 $^\circ\text{C}$

热阻特性

Thermal Characteristics

冷却方式: (Cooling)	热阻 (Thermal Resistance)
自然风冷: (Breeze of Nature)	3. 24 $^\circ\text{C} / \text{W}$
0. 5M/S	2. 66 $^\circ\text{C} / \text{W}$
1M/S	2. 18 $^\circ\text{C} / \text{W}$
1. 5M/S	1. 79 $^\circ\text{C} / \text{W}$
2M/S	1. 46 $^\circ\text{C} / \text{W}$

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型 号

Models

	输入电压 (Vdc) Input Voltage	输入电压 (范围) Input Voltage<Range>	输出电压 (Vdc) Output Voltage	输出电流 (A) Output Current	纹波 pk-pk (mV) Ripple and noise	效率 (Typ) Efficiency	型号 Models
双 路	12	9-18	05&05	4&4	30&30	82%	CDD-X40-12D05&05
	12	9-18	05&05	4&4	50&50	82%	CDD40-12D05&05
	12	9-18	05&12	2&2.5	30&30	82%	CDD-X40-12D05&12
	12	9-18	05&12	2&2.5	50&120	82%	CDD40-12D05&12
	12	9-18	24&24	0.8&0.8	200&200	83%	CDD40-12D24&24
	12	9-18	24&48	0.8&0.4	200&300	83%	CDD40-12D24&48
	12	9-18	05&12	5&4.17	30&30	82%	CDD-X75-12D05&12
	12	9-18	05&12	5&4.17	50&120	82%	CDD75-12D05&12
	12	9-18	12&24	2.5&1.88	120&200	83%	CDD75-12D12&24
	12	9-18	24&24	1.56&1.56	200&200	83%	CDD75-12D24&24
	12	9-18	24&48	1&1	200&300	83%	CDD75-12D24&48
	12	9-18	05&12	4&6.67	50&120	82%	CDD100-12D05&12
	12	9-18	12&12	4.17&4.17	120&120	82%	CDD100-12D12&12
	12	9-18	12&24	2.5&2.92	120&200	83%	CDD100-12D12&24
	12	9-18	24&24	2&2	200&200	83%	CDD100-12D24&24
	12	9-18	24&48	1.25&1.46	200&300	83%	CDD100-12D24&48
	24	18-36	05&05	4&4	50&50	82%	CDD40-24D05&05
	24	18-36	05&12	2&2.5	50&120	82%	CDD40-24D05&12
	24	18-36	12&12	1.67&1.67	120&120	82%	CDD40-24D12&12
	24	18-36	12&24	1.25&1	120&200	83%	CDD40-24D12&24
	24	18-36	24&24	0.8&0.8	200&200	83%	CDD40-24D24&24
	24	18-36	24&48	0.8&0.4	200&300	83%	CDD40-24D24&48
	24	18-36	05&12	5&4.17	30&30	82%	CDD-X75-24D05&12
	24	18-36	05&12	5&4.17	50&120	82%	CDD75-24D05&12
	24	18-36	12&24	2.5&1.88	120&200	83%	CDD75-24D12&24
	24	18-36	24&24	1.56&1.56	200&200	83%	CDD75-24D24&24
	24	18-36	24&48	1&1	200&300	83%	CDD75-24D24&48
	24	18-36	05&12	4&6.67	50&120	82%	CDD100-24D05&12
	24	18-36	12&12	4.17&4.17	120&120	82%	CDD100-24D12&12
	24	18-36	12&24	2.5&2.92	120&200	83%	CDD100-24D12&24
	24	18-36	24&24	2&2	200&200	83%	CDD100-24D24&24
	24	18-36	24&48	1.25&1.46	200&300	83%	CDD100-24D24&48
三 路	48	36-72	05&05	4&4	50&50	82%	CDD40-48D05&05
	48	36-72	05&12	2&2.5	50&120	82%	CDD40-48D05&12
	48	36-72	12&12	1.67&1.67	120&120	82%	CDD40-48D12&12
	48	36-72	12&24	1.25&1	120&200	83%	CDD40-48D12&24
	48	36-72	24&24	0.8&0.8	200&200	83%	CDD40-48D24&24
	48	36-72	24&48	0.8&0.4	200&300	83%	CDD40-48D24&48
	48	36-72	05&12	5&4.17	50&120	82%	CDD75-48D05&12
	48	36-72	12&12	3&3	120&120	82%	CDD75-48D12&12
	48	36-72	12&24	2.5&1.88	120&200	83%	CDD75-48D12&24
	48	36-72	24&24	1.56&1.56	200&200	83%	CDD75-48D24&24
	48	36-72	24&48	1&1	200&300	83%	CDD75-48D24&48
	48	36-72	05&12	4&6.67	50&120	82%	CDD100-48D05&12
	48	36-72	12&12	4.17&4.17	120&120	82%	CDD100-48D12&12
	48	36-72	12&24	2.5&2.92	120&200	83%	CDD100-48D12&24
	48	36-72	24&24	2&2	200&200	83%	CDD100-48D24&24
	48	36-72	24&48	1.25&1.46	200&300	83%	CDD100-48D24&48
	12	9-18	±12&05	2.5/2.5&3	120/120&50	83%	CDD75-12T12&05
	12	9-18	±15&05	2.67/2.67&4	150/150&50	83%	CDD100-12T15&05
	24	18-36	±12&05	2.5/2.5&3	120/120&50	83%	CDD75-24T12&05
	24	18-36	±15&05	2.67/2.67&4	150/150&50	83%	CDD100-24T15&05
	48	36-72	±12&12	2.5/2.5&3.33	120/120&120	83%	CDD100-48T12&12

注：以上选型，型号中功率前面带“X”的为低纹波电源，纹波小于等于 30mV。Above selection, Model selection of the mark with an "X" is low ripple power supply, the ripple is less than 30mV.

■ 说明：仅列出典型型号，其它型号请确定功率、输入电压及输出电压后，致电我公司。

Only typical models and listed. If you need other models, please confirm the power, input voltage and output voltage, then phone us.