

DC/DC CDF 系列

单端出线 - 内置滤波电路

AC/DC CDA 系列

单端出线 - 自然散热

100-200W



物理特性

结构尺寸: 139.2*108*27mm
重量: CDF:0.47Kg CDA:0.40Kg

特性

Features

- | | |
|-------------------------|---|
| ■ 宽电压输入范围 | Wide range of input voltage |
| ■ 输入宽频噪声滤波器 | Wideband noise filter of input |
| ■ 快速动态响应 | Fast dynamic response |
| ■ 接线端子出线方式 | Outlet terminal method |
| ■ 输入浪涌抑制电路 | Surge suppression circuit of input |
| ■ 符合 UL1950、IEC950 安全规程 | Comply with UL1950, IEC950 safety regulations |

CDF 输入特性

CDF Input Characteristics

| | | | |
|-----------------|--------------|-----------------------------|-----------------------|
| 电压范围: | DC-DC | 24V _{DC} (Normal) | 18-36V _{DC} |
| (Voltage Range) | | 48V _{DC} (Normal) | 36-72V _{DC} |
| | | 110V _{DC} (Normal) | 66-160V _{DC} |

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

CDA 输入特性

CDA Input Characteristics

| | | | |
|-----------------|--------------|-----------------------------|------------------------|
| 电压范围: | AC-DC | 220V _{AC} (Normal) | 176-264V _{AC} |
| (Voltage Range) | | | |

输出特性

Output Characteristics

| | |
|------------------------------|-------------|
| 稳压精度: | ± 1% |
| (Regulated Voltage Accuracy) | |
| 电压调整率: | ± 0.2% |
| (Line Regulation) | |
| 负载调整率: | ± 0.5% |
| (Load Regulation) | |
| 温度变化率: | ± 0.02% /°C |
| (Temperature Coefficient) | |
| 电流限制点: | 120% (Typ) |
| (Output Current Limiting) | |
| 瞬态响应: | 400 μs |
| (Transient Response) | |

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)MΩ |
| MTBF: | >500000 hrs |

绝缘强度 (Insulation Voltage)

| | DC-DC | AC-DC |
|----------------------------|------------------------|--|
| 输入 - 输出: (Input-Output) | > 1500 V _{DC} | > 1500 V _{AC} /1min (漏电流 < 5mA) |
| 输入 - 外壳: (Input-Case) | > 1050 V _{DC} | > 1500 V _{AC} /1min (漏电流 < 5mA) |
| 输出 - 外壳: (Output-Case) | > 500 V _{DC} | > 500 V _{AC} /1min |

环境特性 (Environmental Characteristics)

| | | |
|----------------------------------|-----------------------|------------|
| 工作壳温: (Operation Temperature) | 工业品 (Industry) | -25~+85°C |
| | 军 I (Military I) | -40~+85°C |
| | 军 II (Military II) | -55~+85°C |
| 存储温度: (Storage Temperature) | 工业品 (Industry) | -45~+105°C |
| | 军品 (Military) | -55~+105°C |

热阻特性

Thermal Characteristics

| | |
|-----------------------------|----------------------------|
| 冷却方式: (Cooling) | 热阻 (Thermal Resistance) |
| 自然风冷: (Breeze of Nature) | 2.20°C/W |
| 0.5M/S | 1.84°C/W |
| 1M/S | 1.37°C/W |
| 1.5M/S | 0.99°C/W |
| 2M/S | 0.83°C/W |

DC/DC CDF 系列

型号

Models

| 输入电压 (Vdc) | 输入电压 (范围) | 输出电压 (Vdc) | 输出电流 (A) | 纹波 pk-pk (mV) | 效率 (Typ) | 型号 |
|---------------|----------------------|----------------|----------------|------------------|------------|-------------------|
| Input Voltage | Input Voltage(Range) | Output Voltage | Output Current | Ripple and noise | Efficiency | Models |
| 24 | 18-36 | 12&12 | 4.17&4.17 | 30&30 | 82% | CDF-X100-24D12&12 |
| 24 | 18-36 | 12&12 | 4.17&4.17 | 120&120 | 82% | CDF100-24D12&12 |
| 24 | 18-36 | 24&24 | 2&2 | 200&200 | 83% | CDF100-24D24&24 |
| 24 | 18-36 | 24&24 | 1.25&2.92 | 200&200 | 83% | CDF100-24D24&24 |
| 24 | 18-36 | 48&48 | 1&1 | 300&300 | 85% | CDF100-24D48&48 |
| 24 | 18-36 | 48&48 | 0.5&1.5 | 300&300 | 85% | CDF100-24D48&48 |
| 24 | 18-36 | 12&12 | 5&5 | 120&120 | 82% | CDF120-24D12&12 |
| 24 | 18-36 | 12&12 | 3.33&6.66 | 30&30 | 82% | CDF-X120-24D12&12 |
| 24 | 18-36 | 12&12 | 3.33&6.66 | 120&120 | 82% | CDF120-24D12&12 |
| 24 | 18-36 | 24&24 | 1.67&3.33 | 200&200 | 83% | CDF120-24D24&24 |
| 24 | 18-36 | 48&48 | 1.25&1.25 | 300&300 | 85% | CDF120-24D48&48 |
| 24 | 18-36 | 48&48 | 1&1.46 | 300&300 | 85% | CDF120-24D48&48 |
| 24 | 18-36 | 12&12 | 6.25&6.25 | 120&120 | 82% | CDF150-24D12&12 |
| 24 | 18-36 | 12&12 | 4.17&8.33 | 120&120 | 82% | CDF150-24D12&12 |
| 24 | 18-36 | 24&24 | 3.13&3.13 | 200&200 | 83% | CDF150-24D24&24 |
| 24 | 18-36 | 24&24 | 2&4.17 | 200&200 | 83% | CDF150-24D24&24 |
| 24 | 18-36 | 48&48 | 1.56&1.56 | 300&300 | 85% | CDF150-24D48&48 |
| 24 | 18-36 | 48&48 | 1&2 | 300&300 | 85% | CDF150-24D48&48 |
| 48 | 36-72 | 12&12 | 4.17&4.17 | 120&120 | 82% | CDF100-48D12&12 |
| 48 | 36-72 | 12&12 | 2.5&5.83 | 120&120 | 82% | CDF100-48D12&12 |
| 48 | 36-72 | 24&24 | 2&2 | 200&200 | 83% | CDF100-48D24&24 |
| 48 | 36-72 | 24&24 | 1.25&2.92 | 200&200 | 83% | CDF100-48D24&24 |
| 48 | 36-72 | 48&48 | 1&1 | 300&300 | 85% | CDF100-48D48&48 |
| 48 | 36-72 | 48&48 | 0.5&1.5 | 300&300 | 85% | CDF100-48D48&48 |
| 48 | 36-72 | 12&12 | 5&5 | 120&120 | 82% | CDF120-48D12&12 |
| 48 | 36-72 | 12&12 | 3.33&6.66 | 120&120 | 82% | CDF120-48D12&12 |
| 48 | 36-72 | 24&24 | 2.5&2.5 | 200&200 | 83% | CDF120-48D24&24 |
| 48 | 36-72 | 24&24 | 1.67&3.33 | 200&200 | 83% | CDF120-48D24&24 |
| 48 | 36-72 | 48&48 | 1.25&1.25 | 300&300 | 85% | CDF120-48D48&48 |
| 48 | 36-72 | 48&48 | 1&1.46 | 300&300 | 85% | CDF120-48D48&48 |
| 48 | 36-72 | 12&12 | 6.25&6.25 | 120&120 | 82% | CDF150-48D12&12 |
| 48 | 36-72 | 12&12 | 4.17&8.33 | 120&120 | 82% | CDF150-48D12&12 |
| 48 | 36-72 | 24&24 | 3.13&3.13 | 200&200 | 83% | CDF150-48D24&24 |
| 48 | 36-72 | 24&24 | 2&4.17 | 200&200 | 83% | CDF150-48D24&24 |
| 48 | 36-72 | 48&48 | 1.56&1.56 | 300&300 | 85% | CDF150-48D48&48 |
| 48 | 36-72 | 48&48 | 1&2 | 300&300 | 85% | CDF150-48D48&48 |
| 110 | 66-160 | 12&12 | 4.17&4.17 | 120&120 | 82% | CDF100-110D12&12 |
| 110 | 66-160 | 12&12 | 2.5&5.83 | 120&120 | 82% | CDF100-110D12&12 |
| 110 | 66-160 | 24&24 | 2&2 | 200&200 | 83% | CDF100-110D24&24 |
| 110 | 66-160 | 24&24 | 1.25&2.92 | 200&200 | 83% | CDF100-110D24&24 |
| 110 | 66-160 | 48&48 | 1&1 | 300&300 | 85% | CDF100-110D48&48 |
| 110 | 66-160 | 48&48 | 0.5&1.5 | 300&300 | 85% | CDF100-110D48&48 |
| 110 | 66-160 | 12&12 | 5&5 | 120&120 | 82% | CDF120-110D12&12 |
| 110 | 66-160 | 12&12 | 3.33&6.66 | 120&120 | 82% | CDF120-110D12&12 |
| 110 | 66-160 | 24&24 | 2.5&2.5 | 200&200 | 83% | CDF120-110D24&24 |
| 110 | 66-160 | 24&24 | 1.67&3.33 | 200&200 | 83% | CDF120-110D24&24 |
| 110 | 66-160 | 48&48 | 1.25&1.25 | 300&300 | 85% | CDF120-110D48&48 |
| 110 | 66-160 | 48&48 | 1&1.46 | 300&300 | 85% | CDF120-110D48&48 |
| 110 | 66-160 | 12&12 | 6.25&6.25 | 120&120 | 82% | CDF150-110D12&12 |
| 110 | 66-160 | 12&12 | 4.17&8.33 | 120&120 | 82% | CDF150-110D12&12 |
| 110 | 66-160 | 24&24 | 3.13&3.13 | 200&200 | 83% | CDF150-110D24&24 |
| 110 | 66-160 | 24&24 | 2&4.17 | 200&200 | 83% | CDF150-110D24&24 |
| 110 | 66-160 | 48&48 | 1.56&1.56 | 300&300 | 85% | CDF150-110D48&48 |

双
路

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.

AC/DC CDA 系列

型号

Models

| 输入电压 (Vac) 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 |
|-----------------------------|-----------------------------------|------------------------------|----------------------------|-----------------------------------|------------------------|-----------------|
| 220 | 176-264 | 12 | 8.33 | 30 | 82% | CDA-X100-220S12 |
| 220 | 176-264 | 12 | 8.33 | 120 | 82% | CDA100-220S12 |
| 220 | 176-264 | 15 | 6.67 | 30 | 82% | CDA-X100-220S15 |
| 220 | 176-264 | 15 | 6.67 | 150 | 82% | CDA100-220S15 |
| 220 | 176-264 | 20 | 5 | 200 | 83% | CDA100-220S20 |
| 220 | 176-264 | 24 | 4.17 | 200 | 83% | CDA100-220S24 |
| 220 | 176-264 | 28 | 3.57 | 300 | 83% | CDA100-220S28 |
| 220 | 176-264 | 36 | 2.78 | 300 | 84% | CDA100-220S36 |
| 220 | 176-264 | 48 | 2.08 | 300 | 84% | CDA100-220S48 |
| 220 | 176-264 | 12 | 10 | 120 | 82% | CDA120-220S12 |
| 220 | 176-264 | 13.8 | 8.7 | 120 | 82% | CDA120-220S13.8 |
| 220 | 176-264 | 15 | 8 | 150 | 82% | CDA120-220S15 |
| 220 | 176-264 | 18 | 6.67 | 180 | 82% | CDA120-220S18 |
| 220 | 176-264 | 20 | 6 | 200 | 83% | CDA120-220S20 |
| 220 | 176-264 | 24 | 5 | 200 | 83% | CDA120-220S24 |
| 220 | 176-264 | 28 | 4.29 | 300 | 83% | CDA120-220S28 |
| 220 | 176-264 | 36 | 3.33 | 300 | 84% | CDA120-220S36 |
| 220 | 176-264 | 48 | 2.5 | 300 | 84% | CDA120-220S48 |
| 220 | 176-264 | 12 | 12.5 | 120 | 82% | CDA150-220S12 |
| 220 | 176-264 | 13.8 | 10.87 | 120 | 82% | CDA150-220S13.8 |
| 220 | 176-264 | 15 | 10 | 150 | 82% | CDA150-220S15 |
| 220 | 176-264 | 18 | 8.33 | 180 | 82% | CDA150-220S18 |
| 220 | 176-264 | 20 | 7.5 | 200 | 83% | CDA150-220S20 |
| 220 | 176-264 | 24 | 6.25 | 200 | 83% | CDA150-220S24 |
| 220 | 176-264 | 28 | 5.36 | 300 | 83% | CDA150-220S28 |
| 220 | 176-264 | 36 | 4.17 | 300 | 84% | CDA150-220S36 |
| 220 | 176-264 | 48 | 3.13 | 300 | 84% | CDA150-220S48 |
| 220 | 176-264 | 15 | 11.67 | 150 | 83% | CDA175-220S15 |
| 220 | 176-264 | 18 | 9.72 | 180 | 83% | CDA175-220S18 |
| 220 | 176-264 | 20 | 8.75 | 200 | 83% | CDA175-220S20 |
| 220 | 176-264 | 24 | 7.29 | 200 | 83% | CDA175-220S24 |
| 220 | 176-264 | 28 | 6.25 | 300 | 83% | CDA175-220S28 |
| 220 | 176-264 | 36 | 4.86 | 300 | 84% | CDA175-220S36 |
| 220 | 176-264 | 48 | 3.65 | 300 | 84% | CDA175-220S48 |
| 220 | 176-264 | 15 | 13.33 | 150 | 83% | CDA200-220S15 |
| 220 | 176-264 | 18 | 11.11 | 180 | 83% | CDA200-220S18 |
| 220 | 176-264 | 20 | 10 | 200 | 83% | CDA200-220S20 |
| 220 | 176-264 | 24 | 8.33 | 200 | 83% | CDA200-220S24 |
| 220 | 176-264 | 28 | 7.14 | 300 | 83% | CDA200-220S28 |
| 220 | 176-264 | 36 | 5.56 | 300 | 84% | CDA200-220S36 |
| 220 | 176-264 | 48 | 4.17 | 300 | 84% | CDA200-220S48 |

单
路

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