

DC/DC CEF 系列

内置浪涌抑制及滤波电路

AC/DC CEA 系列

内置浪涌抑制及滤波电路

50-150W



物理特性

结构尺寸: 139*88*26mm
重量: CEF:0.46Kg CEA:0.4Kg

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

CEF 输入特性

CEF 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)

CEA 输入特性

CEA Input Characteristics

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

输出特性

Output Characteristics

稳压精度: (Regulated Voltage Accuracy)	± 1%
电压调整率: (Line Regulation)	± 0.2%
负载调整率: (Load Regulation)	± 0.5%
温度变化率: (Temperature Coefficient)	± 0.02% /°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)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 _{DC} /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
存储温度: (Storage Temperature)	军 II (Military II)	-55~+85°C
	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	1.83°C /W
1M/S	1.38°C /W
1.5M/S	1.01°C /W
2M/S	0.82°C /W

DC/DC CEF 系列

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
12	9-18	05&05	4&4	30&30	82%	CEF-X40-12D05&05
12	9-18	05&05	4&4	50&50	82%	CEF40-12D05&05
12	9-18	12&12	1.67&1.67	30&30	82%	CEF-X40-12D12&12
12	9-18	12&12	1.67&1.67	120&120	82%	CEF40-12D12&12
12	9-18	24&24	0.8&0.8	200&200	83%	CEF40-12D24&24
12	9-18	24&48	0.8&0.4	200&300	83%	CEF40-12D24&48
12	9-18	05&12	5&4.17	30&30	82%	CEF-X75-12D05&12
12	9-18	05&12	5&4.17	50&120	82%	CEF75-12D05&12
12	9-18	12&24	2.5&1.88	120&200	83%	CEF75-12D12&24
12	9-18	24&24	1.56&1.56	200&200	83%	CEF75-12D24&24
12	9-18	24&48	1&1	200&300	83%	CEF75-12D24&48
12	9-18	05&12	4&6.67	50&120	82%	CEF100-12D05&12
12	9-18	12&12	4.17&4.17	120&120	82%	CEF100-12D12&12
12	9-18	12&24	2.5&2.92	120&200	83%	CEF100-12D12&24
12	9-18	24&24	2&2	200&200	83%	CEF100-12D24&24
12	9-18	24&48	1.25&1.46	200&300	83%	CEF100-12D24&48
24	18-36	05&05	4&4	50&50	82%	CEF40-24D05&05
24	18-36	05&12	2&2.5	50&120	82%	CEF40-24D05&12
24	18-36	12&12	1.67&1.67	120&120	82%	CEF40-24D12&12
24	18-36	12&24	1.25&1	120&200	83%	CEF40-24D12&24
24	18-36	24&24	0.8&0.8	200&200	83%	CEF40-24D24&24
24	18-36	24&48	0.8&0.4	200&300	83%	CEF40-24D24&48
24	18-36	05&12	5&4.17	50&120	82%	CEF75-24D05&12
24	18-36	12&12	3&3	120&120	82%	CEF75-24D12&12
24	18-36	12&24	2.5&1.88	120&200	83%	CEF75-24D12&24
24	18-36	24&24	1.56&1.56	200&200	83%	CEF75-24D24&24
24	18-36	24&48	1&1	200&300	83%	CEF75-24D24&48
24	18-36	05&12	4&6.67	50&120	82%	CEF100-24D05&12
24	18-36	12&12	4.17&4.17	120&120	82%	CEF100-24D12&12
24	18-36	12&24	2.5&2.92	120&200	83%	CEF100-24D12&24
24	18-36	24&24	2&2	200&200	83%	CEF100-24D24&24
24	18-36	24&48	1.25&1.46	200&300	83%	CEF100-24D24&48
48	36-72	05&05	4&4	50&50	82%	CEF40-48D05&05
48	36-72	05&12	2&2.5	50&120	82%	CEF40-48D05&12
48	36-72	12&12	1.67&1.67	120&120	82%	CEF40-48D12&12
48	36-72	12&24	1.25&1	120&200	83%	CEF40-48D12&24
48	36-72	24&24	0.8&0.8	200&200	83%	CEF40-48D24&24
48	36-72	24&48	0.8&0.4	200&300	83%	CEF40-48D24&48
48	36-72	05&12	5&4.17	50&120	82%	CEF75-48D05&12
48	36-72	12&12	3&3	120&120	82%	CEF75-48D12&12
48	36-72	12&24	2.5&1.88	120&200	83%	CEF75-48D12&24
48	36-72	24&24	1.56&1.56	200&200	83%	CEF75-48D24&24
48	36-72	24&48	1&1	200&300	83%	CEF75-48D24&48
48	36-72	05&12	4&6.67	50&120	82%	CEF100-48D05&12
48	36-72	12&12	4.17&4.17	120&120	82%	CEF100-48D12&12
48	36-72	12&24	2.5&2.92	120&200	83%	CEF100-48D12&24
48	36-72	24&24	2&2	200&200	83%	CEF100-48D24&24
48	36-72	24&48	1.25&1.46	200&300	83%	CEF100-48D24&48
12	9-18	±12, +05	2.5/2.5/3	120/120/50	83%	CEF75-12T12+05
12	9-18	±15, +05	2.67/2.67/4	150/150/50	83%	CEF100-12T15+05
24	18-36	±12, +05	2.5/2.5/3	120/120/50	83%	CEF75-24T12+05
24	18-36	±15, +05	2.67/2.67/4	150/150/50	83%	CEF100-24T15+05
48	36-72	±12, +12	2.5/2.5/3.33	120/120/120	83%	CEF100-48T12+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.

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
单	220	176-264	05	10	30	82%	CEA-X50-220S05
	220	176-264	05	10	50	82%	CEA50-220S05
	220	176-264	12	4.17	30	82%	CEA-X50-220S12
	220	176-264	12	4.17	120	82%	CEA50-220S12
	220	176-264	05	15	50	82%	CEA75-220S05
	220	176-264	12	6.25	120	82%	CEA75-220S12
	220	176-264	13.8	5.43	120	82%	CEA75-220S13.8
	220	176-264	15	5	150	82%	CEA75-220S15
	220	176-264	24	3.13	200	83%	CEA75-220S24
	220	176-264	05	20	50	82%	CEA100-220S05
路	220	176-264	12	8.33	120	82%	CEA100-220S12
	220	176-264	13.8	7.25	120	82%	CEA100-220S13.8
	220	176-264	15	6.67	150	82%	CEA100-220S15
	220	176-264	24	4.17	200	83%	CEA100-220S24
	220	176-264	12	10	120	82%	CEA120-220S12
	220	176-264	15	8	150	82%	CEA120-220S15
	220	176-264	24	5	200	83%	CEA120-220S24
	220	176-264	48	2.5	300	84%	CEA120-220S48
	220	176-264	12	12.5	120	82%	CEA150-220S12
	220	176-264	15	10	150	82%	CEA150-220S15
路	220	176-264	24	6.25	200	83%	CEA150-220S24
	220	176-264	48	3.13	300	84%	CEA150-220S48
	220	176-264	05&05	5&5	30&30	82%	CEA-X50-220D05&05
	220	176-264	05&05	5&5	50&50	82%	CEA50-220D05&05
	220	176-264	05&05	7.5&7.5	30&30	82%	CEA-X75-220D05&05
	220	176-264	05&05	7.5&7.5	50&50	82%	CEA75-220D05&05
	220	176-264	12&12	3&3	30&30	82%	CEA-X75-220D12&12
	220	176-264	12&12	3&3	120&120	82%	CEA75-220D12&12
	220	176-264	05&05	10&10	50&50	82%	CEA100-220D05&05
	220	176-264	05&12	6&5.83	50&120	82%	CEA100-220D05&12
路	220	176-264	05&24	4&3.33	50&200	82%	CEA100-220D05&24
	220	176-264	12&12	4.17&4.17	120&120	82%	CEA100-220D12&12
	220	176-264	05&05	12&12	50&50	82%	CEA120-220D05&05
	220	176-264	05&12	8&6.67	50&120	82%	CEA120-220D05&12
	220	176-264	05&24	4&4.17	50&200	82%	CEA120-220D05&24
	220	176-264	12&12	5&5	120&120	82%	CEA120-220D12&12
	220	176-264	12&24	3.33&3.33	120&200	82%	CEA120-220D12&24
	220	176-264	05&05	15&15	50&50	82%	CEA150-220D05&05
	220	176-264	05&12	10&8.33	50&120	82%	CEA150-220D05&12
	220	176-264	05&24	6&5	50&200	82%	CEA150-220D05&24
三	220	176-264	12&12	6.25&6.25	120&120	82%	CEA150-220D12&12
	220	176-264	12&24	3.33&4.58	120&200	82%	CEA150-220D12&24
	220	176-264	24&24	3.13&3.13	200&200	84%	CEA150-220D24&24
	220	176-264	±12, +05	1.5/1.42/3	120/120/50	82%	CEA50-220T12+05
	220	176-264	±05, +12	2/2/2.5	50/50/120	82%	CEA50-220T05+12
	220	176-264	±05, +24	2/2/1.25	50/50/300	83%	CEA50-220T05+24
	220	176-264	±12, +05	3/3/4	120/120/50	82%	CEA100-220T12+05
	220	176-264	±05, +12	4/4/5	50/50/120	82%	CEA100-220T05+12
	220	176-264	±05, +24	3/3/2.92	50/50/300	83%	CEA100-220T05+24
	220	176-264	±12, +05	5/5/6	120/120/50	82%	CEA150-220T12+05
路	220	176-264	±05, +12	6/6/7.5	50/50/120	82%	CEA150-220T05+12
	220	176-264	±05, +24	3/3/5	50/50/300	83%	CEA150-220T05+24
	220	176-264	±12, +15	4/4/3.6	120/120/150	83%	CEA150-220T12+15

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.