

DC/DC COF 系列

小尺寸、大功率

AC/DC COA,COW 系列

内置浪涌抑制及滤波电路

50-150W



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

COF 输入特性

COF 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}

COA,COW 输入特性

COA,COW Input Characteristics

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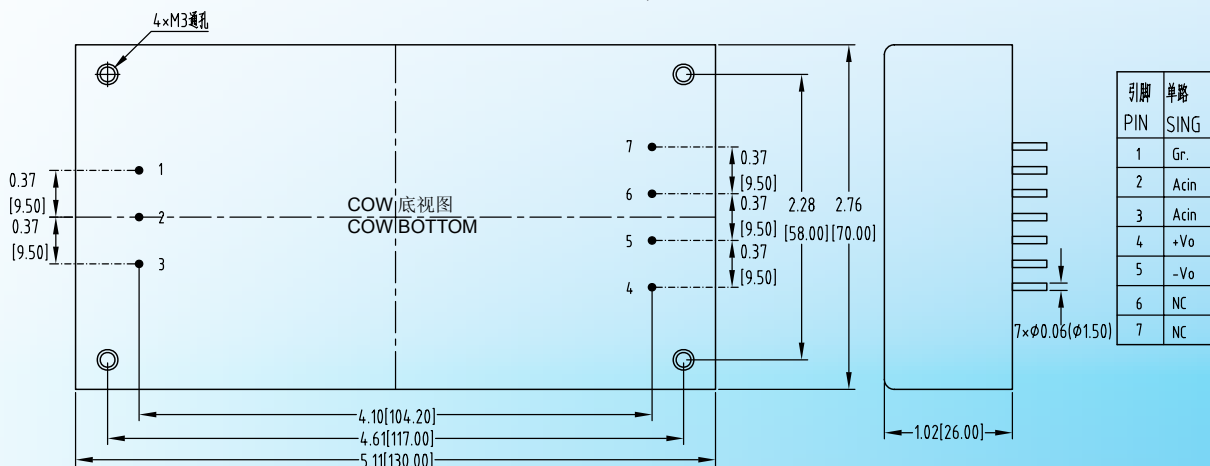
输出特性

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

尺寸图

Dimensioned Drawing



单位尺寸为英寸(毫米)
ALL DIMENSIONS IN INCHES(MM)

物理特性

结构尺寸: 130*70*26mm
重量: COF: 0.38Kg
COA: 0.38Kg COW: 0.21Kg

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)	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)	2.90°C/W
0.5M/S	2.42°C/W
1M/S	1.82°C/W
1.5M/S	1.32°C/W
2M/S	1.09°C/W

DC/DC COF 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	5	10	30	80%	COF-X50-12S05
12	9-18	5	10	50	80%	COF50-12S05
12	9-18	12	6.25	30	82%	COF-X75-12S12
12	9-18	12	6.25	120	82%	COF75-12S12
12	9-18	18	4.17	200	82%	COF75-12S18
12	9-18	24	3.13	200	83%	COF75-12S24
12	9-18	12	8.33	30	82%	COF-X100-12S12
12	9-18	12	8.33	120	82%	COF100-12S12
12	9-18	15	6.67	150	82%	COF100-12S15
12	9-18	18	5.56	200	82%	COF100-12S18
12	9-18	24	4.17	200	83%	COF100-12S24
12	9-18	12	10	120	82%	COF120-12S12
12	9-18	15	8	150	82%	COF120-12S15
12	9-18	18	6.67	200	82%	COF120-12S18
12	9-18	24	5	200	83%	COF120-12S24
12	9-18	12	12.5	120	82%	COF150-12S12
12	9-18	15	10	150	82%	COF150-12S15
12	9-18	18	8.33	200	82%	COF150-12S18
12	9-18	24	6.25	200	83%	COF150-12S24
24	18-36	12	6.25	120	82%	COF75-24S12
24	18-36	13.8	5.43	120	82%	COF75-24S13.8
24	18-36	15	5	150	82%	COF75-24S15
24	18-36	18	4.17	200	82%	COF75-24S18
24	18-36	24	3.13	200	83%	COF75-24S24
24	18-36	48	1.56	300	83%	COF75-24S48
24	18-36	12	8.33	120	82%	COF100-24S12
24	18-36	13.8	7.25	120	82%	COF100-24S13.8
24	18-36	15	6.67	150	82%	COF100-24S15
24	18-36	18	5.56	200	82%	COF100-24S18
24	18-36	24	4.17	200	83%	COF100-24S24
24	18-36	48	2.08	300	83%	COF100-24S48
24	18-36	12	10	120	82%	COF120-24S12
24	18-36	15	8	150	82%	COF120-24S15
24	18-36	18	6.67	200	82%	COF120-24S18
24	18-36	24	5	200	83%	COF120-24S24
24	18-36	48	2.5	300	83%	COF120-24S48
24	18-36	12	12.5	120	82%	COF150-24S12
24	18-36	15	10	150	82%	COF150-24S15
24	18-36	18	8.33	200	82%	COF150-24S18
24	18-36	24	6.25	200	83%	COF150-24S24
48	36-72	12	6.25	120	82%	COF75-48S12
48	36-72	24	3.13	200	82%	COF75-48S24
48	36-72	48	1.56	300	83%	COF75-48S48
48	36-72	12	8.33	120	82%	COF100-48S12
48	36-72	24	4.17	200	83%	COF100-48S24
48	36-72	48	2.08	300	83%	COF100-48S48
48	36-72	12	10	120	82%	COF120-48S12
48	36-72	15	8	150	82%	COF120-48S15
48	36-72	24	5	200	83%	COF120-48S24
48	36-72	48	2.5	300	83%	COF120-48S48
48	36-72	12	12.5	120	82%	COF150-48S12
48	36-72	24	6.25	200	83%	COF150-48S24
48	36-72	48	3.13	300	83%	COF150-48S48

单
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 COA,COW 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	05	10	30	82%	COA-X50-220S05
220	176-264	05	10	50	82%	COA50-220S05
220	176-264	12	4.17	30	82%	COA-X50-220S12
220	176-264	12	4.17	120	82%	COA50-220S12
220	176-264	15	3.33	150	82%	COA50-220S15
220	176-264	24	2.08	200	83%	COA50-220S24
220	176-264	28	1.79	300	83%	COA50-220S28
220	176-264	36	1.39	300	83%	COA50-220S36
220	176-264	48	1.04	300	83%	COA50-220S48
220	176-264	09	6.67	90	82%	COA60-220S09
220	176-264	12	5	30	82%	COA-X60-220S12
220	176-264	12	5	120	82%	COA60-220S12
220	176-264	15	4	150	82%	COA60-220S15
220	176-264	24	2.5	200	83%	COA60-220S24
220	176-264	28	2.14	300	83%	COA60-220S28
220	176-264	36	1.67	300	83%	COA60-220S36
220	176-264	48	1.25	300	83%	COA60-220S48
220	176-264	12	6.25	120	82%	COA75-220S12
220	176-264	13.8	5.43	120	82%	COA75-220S13.8
220	176-264	15	5	30	82%	COA-X75-220S15
220	176-264	15	5	150	82%	COA75-220S15
220	176-264	24	3.13	30	83%	COA-X75-220S24
220	176-264	24	3.13	200	83%	COA75-220S24
220	176-264	36	2.08	300	83%	COA75-220S36
220	176-264	48	1.56	300	83%	COA75-220S48
220	176-264	12	7.08	120	82%	COA85-220S12
220	176-264	13.8	6.16	120	82%	COA85-220S13.8
220	176-264	15	5.67	150	82%	COA85-220S15
220	176-264	18	4.72	200	82%	COA85-220S18
220	176-264	24	3.54	200	83%	COA85-220S24
220	176-264	28	3.04	300	83%	COA85-220S28
220	176-264	36	2.36	300	83%	COA85-220S36
220	176-264	48	1.77	300	83%	COA85-220S48
220	176-264	15	6.67	150	83%	COA100-220S15
220	176-264	18	5.56	200	83%	COA100-220S18
220	176-264	24	4.17	200	83%	COA100-220S24
220	176-264	28	3.57	300	83%	COA100-220S28
220	176-264	36	2.78	300	83%	COA100-220S36
220	176-264	48	2.08	300	84%	COA100-220S48
220	176-264	12	10	120	82%	COA120-220S12
220	176-264	15	8	150	83%	COA120-220S15
220	176-264	18	6.67	200	83%	COA120-220S18
220	176-264	24	5	30	83%	COA-X120-220S24
220	176-264	24	5	200	83%	COA120-220S24
220	176-264	36	3.33	300	83%	COA120-220S36
220	176-264	48	2.5	300	84%	COA120-220S48
220	176-264	12	12.5	120	82%	COA150-220S12
220	176-264	15	10	150	83%	COA150-220S15
220	176-264	18	8.33	200	83%	COA150-220S18
220	176-264	24	6.25	200	83%	COA150-220S24
220	176-264	28	5.36	300	84%	COA150-220S28
220	176-264	36	4.17	300	84%	COA150-220S36

单
路

注：以上 COA 的选型，COW 均可定制。 All above model COA selected COW able to customize.
型号中功率前面带“X”的为低纹波电源，纹波小于等于 30mV。 Model selection of the mark with an "X" is low ripple power supply ,the ripple is less than 30mV.

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