

50-150W

AC/DC

COA/COW Series

Features

- Wide range of input voltage
- Broadband noise filter of input
- Surge suppress circuit of input
- Comply with UL1950, IEC950 safety regulation
- Attractive outline design
- Terminal connection method
- Easy installation
- Fast dynamic response



Input Characteristic

Voltage Range 220 VAC 176-264 VAC

Reverse Protection Connect Fuse Outside

Output Characteristic

Voltage Set-point Accuracy	$\pm 1\%$
Line Regulation	$\pm 0.2\%$
Load Regulation	$\pm 0.4\%$
Temperature Coefficient	$\pm 0.01\%/^{\circ}\text{C}$
Output Current Limiting	120%(Typ)
Dynamic Response	400 μs
Output Current	2-6A
Output Voltage	1.8-48V
Power	30-75W

General Characteristic

Switching Frequency	160-200	KHz
Isolation Resistance	200	M Ω
MTBF	>500000	h
Isolation Voltage		
Input-Output	>1500 VAC/1min(Leak <5mA)	
Input-Case	>1500 VAC/1min(Leak <5mA)	
Output-Case	>500 VDC/1min	

Environmental Characteristics

Case Temperature	(Industry) -25 - +85 $^{\circ}\text{C}$
	(Military I) -40 - +85 $^{\circ}\text{C}$
	(Military II) -55 - +85 $^{\circ}\text{C}$
Storage Temperature	(Industry) -45 - +105 $^{\circ}\text{C}$
	(Military) -55 - +105 $^{\circ}\text{C}$

Heat Characteristic

Cooling	Thermal Resistance
Breeze of Nature	2.50 $^{\circ}\text{C}/\text{W}$
0.5M/S	2.09 $^{\circ}\text{C}/\text{W}$
1M/S	1.56 $^{\circ}\text{C}/\text{W}$
1.5M/S	1.13 $^{\circ}\text{C}/\text{W}$
2M/S	0.94 $^{\circ}\text{C}/\text{W}$

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Models							
Input voltage (Vdc)	Input Range	Output voltage (Vdc)	Output current (A)	Ripple and noise pk-pk(mv)	Efficiency Typical	Models	
220	176-264	5	10	50	81%	COA50W220S05	
220	176-264	12	4.17	120	83%	COA50W220S12	
220	176-264	15	5	150	83%	COA75W220S15	
220	176-264	24	4.2	200	84%	COA100W220S24	
220	176-264	48	3.1	400	86%	COA150W220S48	
220	176-264	28	2.67	280	85%	COA75W220S28	

Only typical models listed. If you need other model, please contact us for costum models

Mechanical drawing and pin definition

