

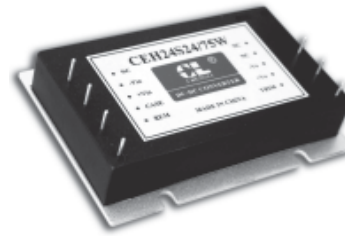
50-75W

DC/DC

CE/CEH Series

Features

High voltage input
 II type input filter
 High power density
 Wide range of power, easy to upgrade
 Fast dynamic response
 Design for high reliability, long lifetime
 Wide range of input voltage
 Full load efficiency up to 90%



Input Characteristic

Voltage Range	12 VDC	9-18	VDC
	18 VDC	9-36	VDC
	24 VDC	18-36	VDC
	48 VDC	36-72	VDC
	110 VDC	60-160	VDC
	220 VDC	180-380	VDC
	300 VDC	200-400	VDC

Reverse Protection Connect Fuse Outside

Output Characteristic

Voltage Set-point Accuracy	± 1%
Output Voltage Range	± 10%
Line Regulation<main>	± 0.2%
Load Regulation<main>	± 0.4%
Cross Regulation (main 30%-100% load, sub 80% load)	± 3%
Temperature Coefficient	± 0.01%/°C
Output Current Limiting	120%(Typ)
Dynamic Response	400µs
Output Current	1-10A
Output Voltage	1.8-48V
Power	50-75W

Note: Cross regulation is only refer to Multi-output.

General Characteristic

Switching Frequency	160 - 200	KHz
Isolation Resistance	200	M Ω
MTBF	>500000	h
Isolation Voltage		
Input-Output	>1500	VDC
Input-Output (High Voltage)	>2000	VDC
Input-Case	>1050	VDC
Input-Case(High Voltage)	>2000	VDC
Output-Case	>500	VDC
Output-Case(High Voltage)	>500	VDC

Environmental Characteristics

Case Temperature	(Industry) -25 - +85 °C
	(Military I) -40 - +85 °C
	(Military II) -55 - +85 °C
Storage Temperature	(Industry) -45 - +105 °C
	(Military) -55 - +105 °C

Heat Characteristic

Cooling	Thermal Resistance (CEH)	Thermal Resistance (CE)
Breeze of Nature	4.17°C/W	5.26°C/W
0.5M/S	3.48°C/W	4.38°C/W
1M/S	2.59°C/W	3.27°C/W
1.5M/S	1.89°C/W	2.38°C/W
2M/S	1.56°C/W	1.97°C/W

CE/CEH Series

50-75W

DC/DC

Models							
Input voltage (Vdc)	Input Range	Output voltage (Vdc)	Output current (A)	Ripple and noise pk-pk(mv)	Efficiency Typical	Models	
12	9-18	5	10	50	81%	CE(H)50-12S05	
24	18-36	12	4.17	120	84%	CE(H)50-24S12	
24	18-36	15	5.0	150	85%	CE(H)75-24S15	
48	36-72	24	3.13	200	89%	CE(H)75-48S24	
48	36-72	48	1.04	400	90%	CE(H)50-48S48	
110	60-160	05	10	50	83%	CE(H)50-110S05	
220	180-380	12	6.25	120	85%	CE(H)75-220S12	
300	200-400	12	4.17	120	85%	CE(H)50-300S12	
12	9-18	5&5	5&5	50&50	81%	CE(H)50-12D05&05	
24	18-36	5&12	8&0.83	50&120	85%	CE(H)50-24D05&12	
24	18-36	15&15	2.5&2.5	150&150	85%	CE(H)75-24D15&15	
48	36-72	12&12	3.13&3.13	120&120	86%	CE(H)75-48D12&12	
48	36-72	05&24	8&1.5	50&200	85%	CE(H)75-48D05&24	
110	60-160	05&12	8&3	50&120	85%	CE(H)75-110D05&12	
220	180-380	15&15	1.67&1.67	150&150	83%	CE(H)50-220D15&15	
300	200-400	12&12	3.13&3.13	120&120	85%	CE(H)75-300D12&12	
12	9-18	± 05+15	± 3/+1.33	50&150	82%	CE(H)50-12T05+15	
24	18-36	± 05+12	± 3/+1.67	50&120	83%	CE(H)50-24T05+12	
24	18-36	± 15+05	± 1.17/+8	150&50	87%	CE(H)75-24T15+05	
48	36-72	± 12+05	± 1.46/+8	120&50	86%	CE(H)75-48T12+05	
48	36-72	± 05+12	± 3/1.67	50&120	85%	CE(H)50-48T05+12	
110	60-160	± 12+05	± 1.46/+8	120&50	85%	CE(H)75-110T12+05	
110	80-180	± 15+05	± 1.17/+8	150&50	84%	CE(H)75-110T15+05	
220	180-380	± 05+12	± 3/1.67	50&120	82%	CE(H)50-220T05+12	
300	200-400	± 24+12	± 1/+2.25	200&120	85%	CE(H)75-300T24+12	

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

Mechanical drawing and pin definition

