Products
Products Search
Unit Type
PC Board Type
Configurable
Programmable
Linear
On-Board
Power Module
DC-AC Inverters
Noise Filters
Option Parts
Catalog
Technical Data
Discontinued Products
Safety Instructions
Safety Instructions for Low Voltage Directive (2014/35/EU)

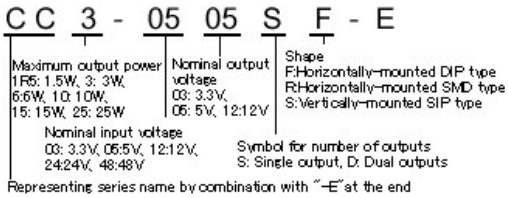
CC-E-SERIES

DC-DC converter 1.5～25W

CC15-E & CC25-E: To be discontinued (June 2018 last order) Recommended series : CCG or CC-P-E



Model name



Features

- Mounting area halved compared to existing products
- Nonuse of tantalum capacitor or aluminum electrolytic capacitor
- High accuracy of ± 3% in output voltage (10W of lower single output)
- 5-side metal-shielded low noise design
- Lightweight design with no resin filled up

Specifications (catalog download)

Output nominal voltage	3.3	5	12 or 15	±12 or ±15
Input voltage range	5.0～48V	3.3～48V	5～48V	3.3～48V
Output voltage range	3.15 ～ 3.6	4.75～6	11.4～15	±11.4～±15
Safety standards	UL60950-1, CSA C22.2 No.60950-1(C-UL), EN60950-1(NEMKO) (Except 3.3V input type)			
Operating temperature	-40 ～ +85°C			
Withstand voltage	Between input terminal and case, between input terminal and output terminal, and between output terminal and case: 500VAC (for 1 minute)			

Product lineup (CC-E type)

Output voltage: 3.3V

Output wattage	Input voltage	Output current	DIP type	SMD type	SIP type
1.5W	5V	0.4A	CC1R5-0503SF-E	CC1R5-0503SR-E	-
	12V	0.4A	CC1R5-1203SF-E	CC1R5-1203SR-E	-
	24V	0.4A	CC1R5-2403SF-E	CC1R5-2403SR-E	-
	48V	0.4A	CC1R5-4803SF-E	CC1R5-4803SR-E	-
3W	5V	0.8A	CC3-0503SF-E	CC3-0503SR-E	CC3-0503SS-E
	12V	0.8A	CC3-1203SF-E	CC3-1203SR-E	-
	24V	0.8A	CC3-2403SF-E	CC3-2403SR-E	CC3-2403SS-E
	48V	0.8A	CC3-4803SF-E	CC3-4803SR-E	CC3-4803SS-E
6W	5V	1.2A	CC6-0503SF-E	CC6-0503SR-E	-
	12V	1.2A	CC6-1203SF-E	CC6-1203SR-E	-

Products Search
Part Number
Search
Category
Characteristic

This product search is intended only for the Japanese market.

For products available in other markets, please access the respective regional web site or contact your nearest sales office.

Precautions against counterfeit TDK-Lambda products.

Contact
EU RoHS/China RoHS
TDK Power Electronics World

	24V	1.2A	CC6-2403SF-E	CC6-2403SR-E	-
	48V	1.2A	CC6-4803SF-E	CC6-4803SR-E	-
10W	5V	2.5A	CC10-0503SF-E	CC10-0503SR-E	-
	12V	2.5A	CC10-1203SF-E	CC10-1203SR-E	-
	24V	2.5A	CC10-2403SF-E	CC10-2403SR-E	-
	48V	2.5A	CC10-4803SF-E	CC10-4803SR-E	-
15W	24V	4.5A	CC15-2403SF-E	CC15-2403SR-E	-
25W	24V	7.5A	CC25-2403SF-E	CC25-2403SR-E	-

Output voltage: 5V

Output wattage	Input voltage	Output current	DIP type	SMD type	SIP type
1.5W	3.3V	0.3A	CC1R5-0305SF-E	CC1R5-0305SR-E	-
	5V	0.3A	CC1R5-0505SF-E	CC1R5-0505SR-E	-
	12V	0.3A	CC1R5-1205SF-E	CC1R5-1205SR-E	-
	24V	0.3A	CC1R5-2405SF-E	CC1R5-2405SR-E	-
	48V	0.3A	CC1R5-4805SF-E	CC1R5-4805SR-E	-
3W	3.3V	0.6A	CC3-0305SF-E	CC3-0305SR-E	-
	5V	0.6A	CC3-0505SF-E	CC3-0505SR-E	CC3-0505SS-E
	12V	0.6A	CC3-1205SF-E	CC3-1205SR-E	CC3-1205SS-E
	24V	0.6A	CC3-2405SF-E	CC3-2405SR-E	CC3-2405SS-E
	48V	0.6A	CC3-4805SF-E	CC3-4805SR-E	CC3-4805SS-E
6W	3.3V	1A	CC6-0305SF-E	CC6-0305SR-E	-
	5V	1A	CC6-0505SF-E	CC6-0505SR-E	-
	12V	1.2A	CC6-1205SF-E	CC6-1205SR-E	-
	24V	1.2A	CC6-2405SF-E	CC6-2405SR-E	-
	48V	1.2A	CC6-4805SF-E	CC6-4805SR-E	-
10W	5V	2A	CC10-0505SF-E	CC10-0505SR-E	-
	12V	2A	CC10-1205SF-E	CC10-1205SR-E	-
	24V	2A	CC10-2405SF-E	CC10-2405SR-E	-
	48V	2A	CC10-4805SF-E	CC10-4805SR-E	-
15W	24V	3A	CC15-2405SF-E	CC15-2405SR-E	-
25W	24V	5A	CC25-2405SF-E	CC25-2405SR-E	-

Output voltage: 12V (15V)

Output wattage	Input voltage	Output current	DIP type	SMD type	SIP type
1.5W	5V	0.125A(0.1A)	CC1R5-0512SF-E	CC1R5-0512SR-E	
	12V	0.125A(0.1A)	CC1R5-1212SF-E	CC1R5-1212SR-E	
	24V	0.125A(0.1A)	CC1R5-2412SF-E	CC1R5-2412SR-E	
	48V	0.125A(0.1A)	CC1R5-4812SF-E	CC1R5-4812SR-E	
3W	5V	0.25A(0.2A)	CC3-0512SF-E	CC3-0512SR-E	CC3-0512SS-E
	12V	0.25A(0.2A)	CC3-1212SF-E	CC3-1212SR-E	CC3-1212SS-E
	24V	0.25A(0.2A)	CC3-2412SF-E	CC3-2412SR-E	CC3-2412SS-E
	48V	0.25A(0.2A)	CC3-4812SF-E	CC3-4812SR-E	-
6W	3.3V	0.4A(0.32A)	CC6-0312SF-E	CC6-0312SR-E	-
	5V	0.5A(0.4A)	CC6-0512SF-E	CC6-0512SR-E	-
	12V	0.5A(0.4A)	CC6-1212SF-E	CC6-1212SR-E	-
	24V	0.5A(0.4A)	CC6-2412SF-E	CC6-2412SR-E	-

	48V	0.5A(0.4A)	CC6-4812SF-E	CC6-4812SR-E	-
10W	5V	0.8A(0.64A)	CC10-0512SF-E	CC10-0512SR-E	-
	12V	1A(0.8A)	CC10-1212SF-E	CC10-1212SR-E	-
	24V	1A(0.8A)	CC10-2412SF-E	CC10-2412SR-E	-
	48V	1A(0.8A)	CC10-4812SF-E	CC10-4812SR-E	-

Output voltage: ±12V (±15V)

Output wattage	Input voltage	Output current	DIP type	SMD type	SIP type
1.5W	3.3V	0.06A(0.05A)	CC1R5-0312DF-E	CC1R5-0312DR-E	-
	5V	0.06A(0.05A)	CC1R5-0512DF-E	CC1R5-0512DR-E	-
	12V	0.06A(0.05A)	CC1R5-1212DF-E	CC1R5-1212DR-E	-
	24V	0.06A(0.05A)	CC1R5-2412DF-E	CC1R5-2412DR-E	-
	48V	0.06A(0.05A)	CC1R5-4812DF-E	CC1R5-4812DR-E	-
3W	3.3V	0.125A(0.1A)	CC3-0312DF-E	CC3-0312DR-E	-
	5V	0.125A(0.1A)	CC3-0512DF-E	CC3-0512DR-E	CC3-0512DS-E
	12V	0.125A(0.1A)	CC3-1212DF-E	CC3-1212DR-E	CC3-1212DS-E
	24V	0.125A(0.1A)	CC3-2412DF-E	CC3-2412DR-E	CC3-2412DS-E
	48V	0.125A(0.1A)	CC3-4812DF-E	CC3-4812DR-E	CC3-4812DS-E
6W	3.3V	0.2A(0.16A)	CC6-0312DF-E	CC6-0312DR-E	-
	5V	0.25A(0.2A)	CC6-0512DF-E	CC6-0512DR-E	-
	12V	0.25A(0.2A)	CC6-1212DF-E	CC6-1212DR-E	-
	24V	0.25A(0.2A)	CC6-2412DF-E	CC6-2412DR-E	-
	48V	0.25A(0.2A)	CC6-4812DF-E	CC6-4812DR-E	-
10W	5V	0.4A(0.32A)	CC10-0512DF-E	CC10-0512DR-E	-
	12V	0.45A(0.36A)	CC10-1212DF-E	CC10-1212DR-E	-
	24V	0.45A(0.36A)	CC10-2412DF-E	CC10-2412DR-E	-
	48V	0.45A(0.36A)	CC10-4812DF-E	CC10-4812DR-E	-

As for the mention contents of this page, understand beforehand because it sometimes changes.

▲ Page Top

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SINGAPORE	English

U.S.A.

Country/Region	Language
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SOUTH AMERICA	Spanish
	Portuguese

EUROPE

Country/Region	Language
FRANCE	French
GERMANY	German
ISRAEL	Hebrew
ITALY	Italian
Netherlands	Nederlandse
RUSSIA	Russian
U.K.	English

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