

25-30 WATT WIDE INPUT DC-DC CONVERTERS

- 25W Isolated Output
- 2:1 Input Range
- Six-Sided Shield
- Remote ON/OFF Control
- Efficiency to 85%



Model Num	V _{In}	V _{Out}	I _{Out}	I _{No Load}	I _{Full Load}	Eff	Case
EC6C01	9-18 VDC	5.0 VDC	5000.0 mA	30.0 mA	2675.0 mA	78%	C
EC6C02	9-18 VDC	12.0 VDC	2500.0 mA	30.0 mA	3050.0 mA	82%	C
EC6C03	9-18 VDC	15.0 VDC	2000.0 mA	30.0 mA	3050.0 mA	82%	C
EC6C04	9-18 VDC	±5.0 VDC	±2500.0 mA	35.0 mA	2675.0 mA	78%	C
EC6C05	9-18 VDC	±12.0 VDC	±1250.0 mA	35.0 mA	3050.0 mA	82%	C
EC6C06	9-18 VDC	±15.0 VDC	±1000.0 mA	35.0 mA	3050.0 mA	82%	C
EC6C07	9-18 VDC	±5.0 VDC	±3500.0 mA	35.0 mA	2640.0 mA	79%	C
EC6C07a	36-72 VDC	±12.0 VDC	±310.0 mA	35.0 mA	2640.0 mA	79%	C
EC6C08	9-18 VDC	±5.0 VDC	±3500.0 mA	35.0 mA	2640.0 mA	79%	C
EC6C08a	36-72 VDC	±15.0 VDC	±250.0 mA	35.0 mA	2640.0 mA	79%	C
EC6C09	9-18 VDC	3.3 VDC	5000.0 mA	30.0 mA	1860.0 mA	74%	C
EC6C11	18-36 VDC	5.0 VDC	5000.0 mA	30.0 mA	1336.0 mA	79%	C
EC6C12	18-36 VDC	12.0 VDC	2500.0 mA	30.0 mA	1525.0 mA	82%	C
EC6C13	18-36 VDC	15.0 VDC	2000.0 mA	30.0 mA	1525.0 mA	82%	C
EC6C14	18-36 VDC	±5.0 VDC	±2500.0 mA	30.0 mA	1663.0 mA	79%	C
EC6C15	18-36 VDC	±12.0 VDC	±1250.0 mA	30.0 mA	1470.0 mA	85%	C
EC6C16	18-36 VDC	±15.0 VDC	±1000.0 mA	30.0 mA	1470.0 mA	85%	C
EC6C17	18-36 VDC	±5.0 VDC	±3500.0 mA	30.0 mA	1320.0 mA	80%	C
EC6C17a	18-36 VDC	±12.0 VDC	±310.0 mA	30.0 mA	1320.0 mA	80%	C
EC6C18	18-36 VDC	±5.0 VDC	±3500.0 mA	30.0 mA	1320.0 mA	80%	C
EC6C18a	18-36 VDC	±15.0 VDC	±250.0 mA	30.0 mA	1320.0 mA	80%	C
EC6C19	18-36 VDC	3.3 VDC	5000.0 mA	30.0 mA	920.0 mA	75%	C
EC6C21	36-72 VDC	5.0 VDC	5000.0 mA	20.0 mA	660.0 mA	79%	C
EC6C22	36-72 VDC	12.0 VDC	2500.0 mA	20.0 mA	765.0 mA	82%	C
EC6C23	36-72 VDC	15.0 VDC	2000.0 mA	20.0 mA	765.0 mA	82%	C
EC6C24	36-72 VDC	±5.0 VDC	±2500.0 mA	25.0 mA	660.0 mA	79%	C
EC6C25	36-72 VDC	±12.0 VDC	±1250.0 mA	25.0 mA	735.0 mA	85%	C
EC6C26	36-72 VDC	±15.0 VDC	±1000.0 mA	25.0 mA	73.0 mA	85%	C
EC6C27	36-72 VDC	±5.0 VDC	±3500.0 mA	25.0 mA	5655.0 mA	80%	C
EC6C27a	36-72 VDC	±12.0 VDC	±310.0 mA	25.0 mA	655.0 mA	80%	C
EC6C28	36-72 VDC	±5.0 VDC	±3500.0 mA	25.0 mA	655.0 mA	80%	C
EC6C28a	36-72 VDC	±15.0 VDC	±250.0 mA	25.0 mA	655.0 mA	80%	C
EC6C29	36-72 VDC	3.3 VDC	5000.0 mA	20.0 mA	460.0 mA	75%	C

SPECIFICATIONS

Input Specifications

Input Voltage Range

12V-----9-18V

24V-----18-36V

48V-----36-72V

Input Filter

Pi Type

Output Specifications

Voltage Accuracy

Single Output

+/-2.0% max.

Dual+Output

+/-2.0% max.

-Output

+/-3.0% max.

Triple, 5V

+/-2.0% max.

12V / 15V

+/-5.0% max.

Voltage Balance(Dual)

+/-1.0% max.

Transient Response:

Single, 25% Step Load Change

<500u sec.

Dual,FL-1/2L +/- 1% Error Band
 External Trim Adj. Range
 Ripple and Noise, 20MHz BW

<500u sec.
 +/-10%
 10mV RMS. Max.
 75mV p-p max.
 +/-0.02% / °C
 Continuous
 +/-0.5% max.
 +/-1.0% max.
 +/-1.0% max.
 +/-5.0% max.

Temperature Coefficient
 Short Circuit Protection
 Line Regulationxxx, Single/Dual
 Triple
 Load Regulationxxx, Single/Dual
 Triple

General Specifications

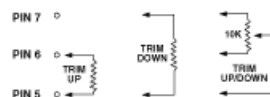
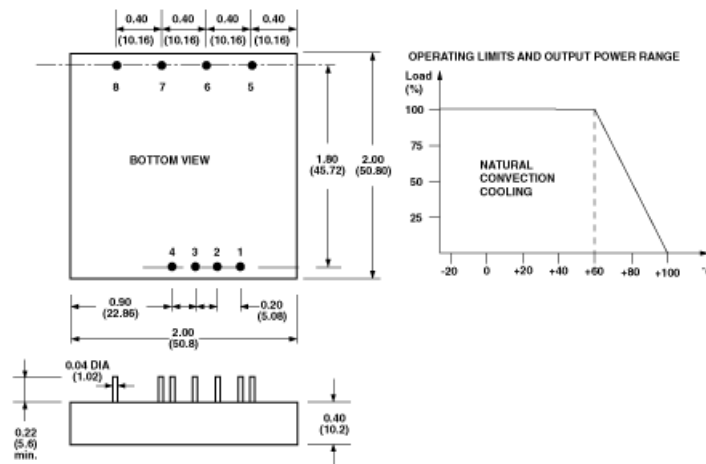
Efficiency
 Isolation Voltage
 Isolation Resistance
 Switching Frequency
 Case Grounding
 Operating Temperature Range
 Case Temperature
 Cooling
 Storage Temperature Range
 EMI / RFI
 Dimensions

See Table
 500 VDC min
 10⁹ ohms
 300KHz, min
 Capacity Coupled to Input
 -25°C to +71°C
 100°C max.
 Free-Air Convection
 -55°C to +105°C
 Six Sided Continuous
 Shield
 2X2X0.4 Inches
 (50.8X50.8X10.2mm)
 Black Coated Copper with
 Non-Conductive Base

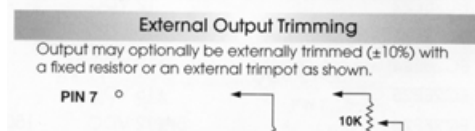
Case Material

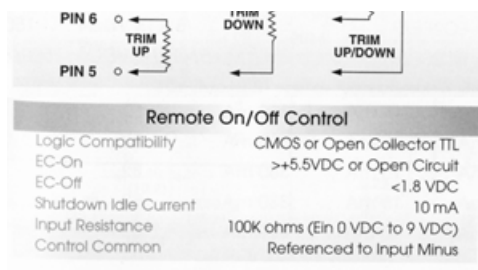
Notes

1. Measured From High Line to Low Line
2. Measured From Full Load to 1/4 Load



PIN CONNECTION			
Pin	Single	Dual	Triple
1.	Remote On/Off Control		
2.	No Pin	No Pin	No Pin
3.	-Vin	-Vin	-Vin
4.	+Vin	+Vin	+Vin
5.	Trim	Trim	-Aux. Out
6.	-Vout	-Vout	Common
7.	+Vout	Common	+SV out
8.	No Pin	+Vout	+Aux. Out





All specifications typical at nominal line, full load, and 25deg C unless otherwise noted.