S E R I E S

EC2C

5 TO 6 WATT
DC-DC CONVERTERS



Features

- High Performance
- 60% Efficiency
- Pi Input Filter
- Regulated Outputs
- Low Ripple and Noise
- 500 VDC Isolation

MODEL NUMBER	INPUT VOLTAGE	OUTPUT VOLTAGE	OUTPUT CURRENT	INPUT CURRENT NO LOAD	INPUT CURRENT FULL LOAD	CASE	ALT[1] PIN OUT
EC2C01		5 VDC	1000 mA	60 mA	1700 mA		
EC2C02		12 VDC	470 mA	70 mA	1750 mA		
EC2C03	5 VDC	15 VDC	400 mA	70 mA	1800 mA	C	S
EC2C04		±12 VDC	±230 mA	130 mA	1700 mA		
EC2C05		±15 VDC	±190 mA	140 mA	1700 mA		
EC2C11		5 VDC	1000 mA	40 mA	690 mA		
EC2C12		12 VDC	470 mA	40 mA	700 mA		
EC2C13	12 VDC	15 VDC	400 mA	40 mA	750 mA	C	S
EC2C14		±12 VDC	±230 mA	60 mA	710 mA		
EC2C15		±15 VDC	±190 mA	60 mA	710 mA		
EC2C21		5 VDC	1000 mA	20 mA	350 mA		
EC2C22		12 VDC	470 mA	20 mA	340 mA		
EC2C23	24 VDC	15 VDC	400 mA	20 mA	360 mA	C	S
EC2C24		±12 VDC	±230 mA	35 mA	360 mA		
EC2C25		±15 VDC	±190 mA	35 mA	360 mA		
EC2C31		5 VDC	1000 mA	20 mA	290 mA		
EC2C32		12 VDC	470 mA	20 mA	300 mA		
EC2C33	28 VDC	15 VDC	400 mA	20 mA	310 mA	C	S
EC2C34		±12 VDC	±230 mA	25 mA	290 mA		
EC2C35		±15 VDC	±190 mA	25 mA	290 mA		
EC2C41		5 VDC	1000 mA	14 mA	170 mA		
EC2C42		12 VDC	470 mA	14 mA	170 mA		
EC2C43	48 VDC	15 VDC	400 mA	14 mA	180 mA	C	S
EC2C44		±12 VDC	±230 mA	20 mA	170 mA		
EC2C45		±15 VDC	±190 mA	20 mA	170 mA		

NOTE: 1. Alternative pin-out version. To order, suffix a "S" to the standard model number.

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Änderungen vorbehalten / subject to change without notice

Specifications

INPUT SPECIFICATIONS:

Input Voltage Range.....±10%
Input Filter.....Pi Type

OUTPUT SPECIFICATIONS:

Voltage Accuracy.....±1.0% max.
Voltage Balance, Dual Output.....±0.5% max.
Temperature Coefficient
  Single Output.....± 0.02%/°C
  Dual Output.....± 0.01%/°C
Ripple and Noise, 20MHz BW
  Single Output.....50mV p-p max.
  Dual Output.....35mV p-p max.
Short Circuit Protection.....Short Term
Line Regulation.....±0.02%
Load Regulation.....±0.05%

GENERAL SPECIFICATIONS:

Efficiency.....60%
Isolation Voltage.....500 VDC min.
Isolation Capacitance.....80pF
Isolation Resistance.....10⁹ohms
Switching Frequency.....20KHz, min.
Operating Temperature Range.....-25°C to + 71°C
Case Temperature (Plastic case).....95°C max.
  (Copper case).....100°C max.
Cooling.....Free-Air Convection
Storage Temperature Range.....-40°C to + 100°C
Dimensions.....2 x 2 x 0.4 inches (50.8 x 50.8 x 10.2mm)
Weight.....51g

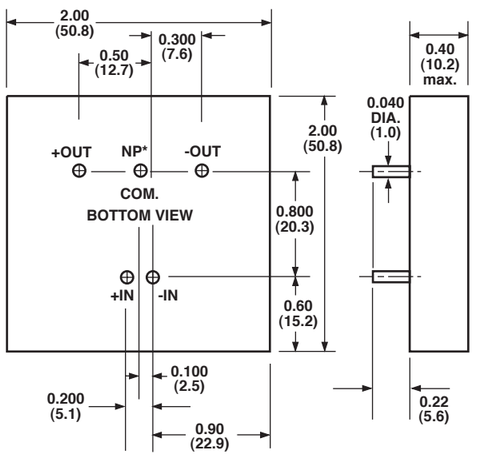
CASE MATERIAL:

Standard Models.....Non-Conductive Black Plastic
Suffix "M" Models.....Black Coated Copper with Non-Conductive Base

CASE C

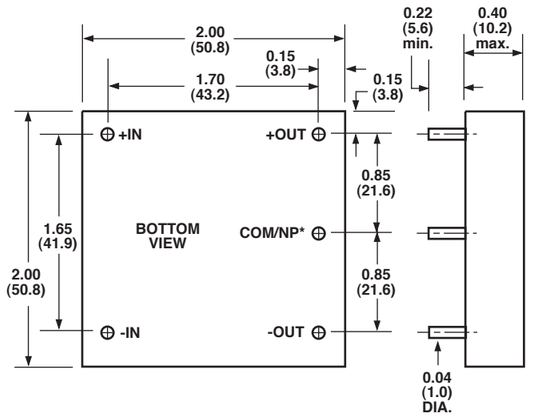
All Dimensions In Inches(mm)
Tolerance .xx= ±.04, .xxx= ±.010

STANDARD PIN CONFIGURATION



NP* - NO PIN ON SINGLE OUTPUT MODLES

ALTERNATE PIN CONFIGURATION SUFFIX "S"



INPUT VOLTAGE	60% FL	80% FL	100% FL
5V	4.4-6.5V	4.5-6.0V	4.65-5.5V
12V	10.56-15.6V	10.8-14.4V	11.16-13.2V
24V	21.12-31.2V	21.6-28.8V	22.32-26.4V
28V	24.64-36.4V	25.2-33.6V	26.04-30.8V
48V	42.24-62.4V	43.2-57.6V	44.64-52.8V

All Specifications Typical At Nominal Line, Full Load and 25°C Unless Otherwise Noted.