

EC3B

7.5 WATT WIDE INPUT DC-DC CONVERTERS



Features

- 7.5W Isolated Output
- Efficiency to 82%
- 2:1 Input Range
- Regulated Outputs
- PI Input Filter
- Continuous Short Circuit Protection

MODEL NUMBER	INPUT VOLTAGE	OUTPUT VOLTAGE	OUTPUT CURRENT	INPUT CURRENT NO LOAD	INPUT CURRENT FULL LOAD	% EFF.	CASE
EC3B01		5 VDC	1500 mA	7.5 mA	820 mA	76	
EC3B02		12 VDC	625 mA	7.5 mA	780 mA	80	
EC3B03		15 VDC	500 mA	7.5 mA	780 mA	80	
EC3B04	9-18 VDC	±12 VDC	±310 mA	12 mA	775 mA	80	B
EC3B05		±15 VDC	±250 mA	12 mA	780 mA	80	
EC3B06		±5 VDC	±750 mA	7.5 mA	820 mA	76	
EC3B07		3.3 VDC	1500 mA	7.5 mA	557 mA	74	
EC3B11		5 VDC	1500 mA	5 mA	400 mA	78	
EC3B12		12 VDC	625 mA	5 mA	380 mA	82	
EC3B13		15 VDC	500 mA	5 mA	380 mA	82	
EC3B14	18-36 VDC	±12 VDC	±310 mA	7.5 mA	385 mA	81	B
EC3B15		±15 VDC	±250 mA	7.5 mA	385 mA	81	
EC3B16		±5 VDC	±750 mA	7.5 mA	400 mA	78	
EC3B17		3.3 VDC	1500 mA	5 mA	271 mA	76	
EC3B21		5 VDC	1500 mA	2 mA	200 mA	78	
EC3B22		12 VDC	625 mA	2 mA	192 mA	81	
EC3B23		15 VDC	500 mA	2 mA	192 mA	81	
EC3B24	36-72 VDC	±12 VDC	±310 mA	3 mA	192 mA	81	B
EC3B25		±15 VDC	±250 mA	3 mA	192 mA	81	
EC3B26		±5 VDC	±750 mA	3 mA	200 mA	78	
EC3B27		3.3 VDC	1500 mA	3 mA	136 mA	76	

NOTE: 1. Nominal Input Voltage 12, 24 or 48 VDC

Specifications

INPUT SPECIFICATIONS:

Input Voltage Range.....	12V	.....9-18V
.....	24V	.....18-36V
.....	48V	.....36-72V
Input Filter.....		.....PI Type

OUTPUT SPECIFICATIONS:

Voltage Accuracy.....	.....±2.0% max.
Voltage Balance (Dual).....	.....±1.0% max.
Temperature Coefficient.....	.....±0.05%/°C
Ripple and Noise, 20MHz BW.....	.....100mV p-p max.
.....	.....1% p-p max.
Short Circuit Protection.....	.....Continuous
Line Regulation, Single/Dual.....	.....±0.5%
Load Regulation, Single.....	.....±0.5%
.....Dual.....	.....±1.0%

GENERAL SPECIFICATIONS:

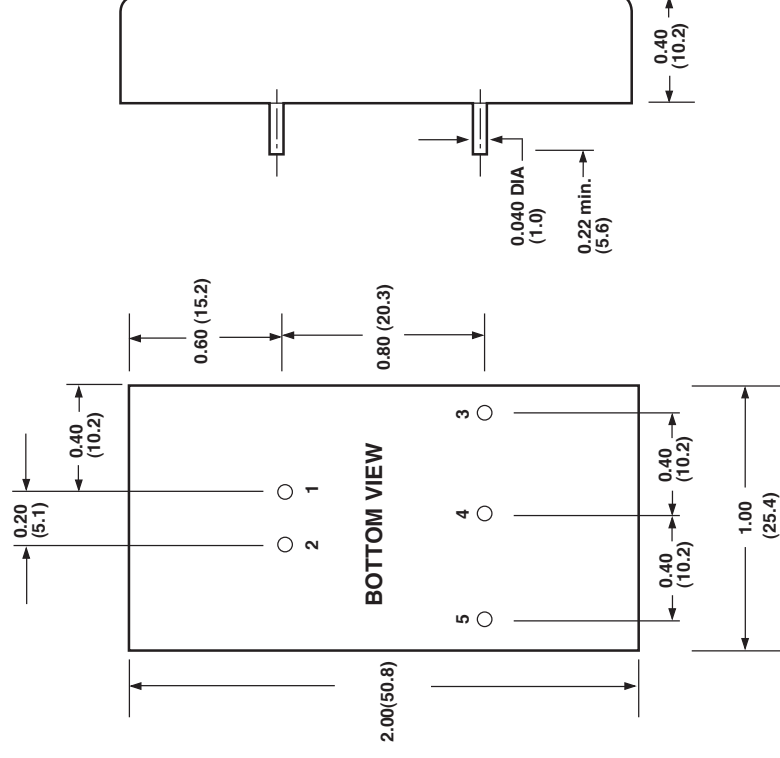
Efficiency.....	.....See Table
Isolation Voltage.....	.....1500 VDC min.
Isolation Resistance.....	.....10 ⁹ ohms
Switching Frequency.....	.....100kHz, min.
Operating Temperature Range.....	.....-25°C to +71°C
Case Temperature.....	.....100°C max.
Cooling.....	.....Free-Air Convection
Storage Temperature Range.....	.....-40°C to +100°C
Dimensions.....	.....2 x 1 x 0.4 inches (50.8 x 25.4 x 10.2mm)
Case Material.....	.....Black Coated Copper With Non-Conductive Base
Weight.....	.....0.35g

NOTE:

1. Measured From High Line to Low Line
2. Measured From Full Load to 10% Load
3. Measured From Full Load to 1/4 Load

CASE B

All Dimensions in Inches (mm)
Tolerance .xx= ±0.04, .xxx= ±0.10



PIN CONNECTION

Pin	Function
1.	+ Input
2.	- Input
3.	+ Output
4.	Common/NP
5.	- Output

*NP=NO PIN