

EC4BW

10 WATT WIDE INPUT DC-DC CONVERTERS



Features

- 10W Isolated output
- Efficiency 82%
- 4:1 Input Range
- Pi Input Filter
- Continuous Short Circuit Protection
- Meets EN55022 Class A, Conducted

MODEL NUMBER	INPUT VOLTAGE	OUTPUT VOLTAGE	OUTPUT CURRENT	INPUT CURRENT		% EFF.	CASE
				NO LOAD	FULL LOAD		
EC4BW01		5 VDC	2000 mA	15 mA	534 mA	78	
EC4BW02		12 VDC	830 mA	15 mA	520 mA	80	
EC4BW03		15 VDC	666 mA	15 mA	520 mA	80	
EC4BW04	9-36VDC	±12 VDC	±415 mA	20 mA	520 mA	80	B
EC4BW05		±15VDC	±333mA	20 mA	520 mA	80	
EC4BW06		±5 VDC	±1000mA	20 mA	520 mA	80	
EC4BW07		3.3 VDC	2000mA	15 mA	362 mA	76	
EC4BW11		5 VDC	2000 mA	10 mA	260 mA	80	
EC4BW12		12 VDC	830 mA	10 mA	257 mA	81	
EC4BW13		15 VDC	666 mA	10 mA	257 mA	81	
EC4BW14	18-72VDC	±12 VDC	±415 mA	15 mA	257 mA	81	B
EC4BW15		±15 VDC	±333 mA	15 mA	253 mA	82	
EC4BW16		±5 VDC	±1000mA	15 mA	253 mA	82	
EC4BW17		3.3 VDC	2000mA	10 mA	181 mA	76	

NOTE:1.Nominal Input Voltage 24 or 48 VDC

Specifications

INPUT SPECIFICATIONS:

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

OUTPUT SPECIFICATIONS:

Voltage Accuracy Single Output.....	±1.0% max.
Voltage Accuracy Dual + Output.....	±1.0% max.
Voltage Accuracy Dual - Output.....	±1.0% max.
Voltage Balance Dual Output at Full Load.....	±1.0% max.
Transient Response	
Single 25% Step Load Change.....	<500µ sec.
Dual FL 1/2 ±1% Error Band.....	<500µ sec.
Ripple and Noise, 20MHz BW.....	75mV p-p max.
Temperature Coefficient.....	±0.02%/°C max.
Short Circuit Protection.....	Continuous
Line Regulation ¹ Single Dual / Output.....	±0.2% max.
Load Regulation ² Single Dual / Output.....	±1.0% max.

GENERAL SPECIFICATIONS:

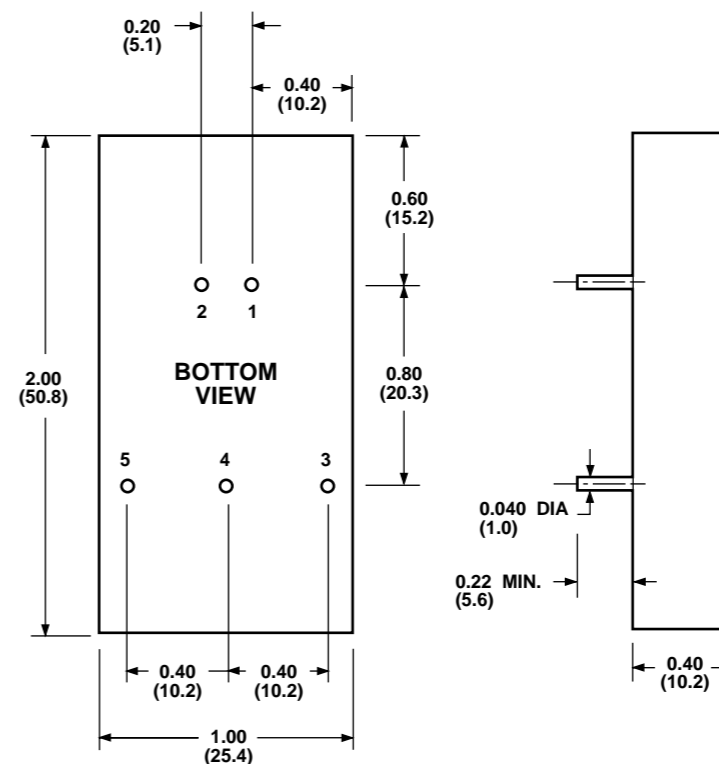
Efficiency.....	See Table
Isolation Voltage.....	500 VDC
Isolation Resistance	10 ⁹ Ohms
Switching Frequency	300KHz typ.
Operating Temperature Range.....	-25°C to + 71°C
Case Temperature.....	100°C max.
Cooling.....	Free-Air Convection
Storage Temperature Range	-40°C to +100°C
EMI / RFI	Six sided Continuous Shield
Dimensions.....	2 x 1 x 0.4 inches (50.8 x 25.4 x 10.2 mm)
Case Material.....	Black Coated Copper with Non-Conductive Base

NOTE:

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

CASE B

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



PIN CONNECTION

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

NP*-NO PIN ON SINGLE OUTPUT