

4BW

10 WATT WIDE INPUT DC-DC CONVERTERS

Features:

- 10W Isolated output
- Efficiency to 80%
- 4:1 Input Range
- Pi Input Filter
- Continuous Short Circuit Protection
- Conductive EMI Meet EN55022 Class A

MODEL NUMBER	INPUT VOLTAGE	OUTPUT VOLTAGE	OUTPUT CURRENT	INPUT CURRENT		% EFF.	CASE
				NO LOAD	FULL LOAD		
4BW01		5 VDC	2000 mA	15 mA	542 mA	80	
4BW02		12 VDC	830 mA	15 mA	520 mA	80	
4BW03		15 VDC	666 mA	15 mA	520 mA	80	
4BW04	9-36VDC	±12 VDC	±415 mA	20 mA	520 mA	80	B
4BW05		±15 VDC	±333mA	20 mA	520 mA	80	
4BW06		±5 VDC	±1000mA	20 mA	520 mA	80	
4BW07		3.3 VDC	2000mA	15mA	362 mA	76	
<hr/>							
4BW11		5 VDC	2000 mA	10 mA	267 mA	80	
4BW12		12 VDC	830 mA	10 mA	260 mA	80	
4BW13		15 VDC	666 mA	10 mA	260 mA	80	
4BW14	18-72VDC	±12 VDC	±415 mA	15 mA	253 mA	82	B
4BW15		±15 VDC	±333 mA	15 mA	253 mA	82	
4BW16		±5 VDC	±1000mA	15mA	250 mA	82	
4BW17		3.3 VDC	2000mA	10mA	181 mA	76	

NOTE:1.Nominal Input Voltage 24 or 48 VDC



D1 International, Inc.

95 E. Main St. Huntington, NY 11743 USA • 631-673-6866 • Fax: 631-673-6893
www.d1international.com • e-mail: d1intl@aol.com



Specifications

4BW SERIES

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 s.
Dual FL 1/2 ±1% Error Band.....	<500µ s.
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:

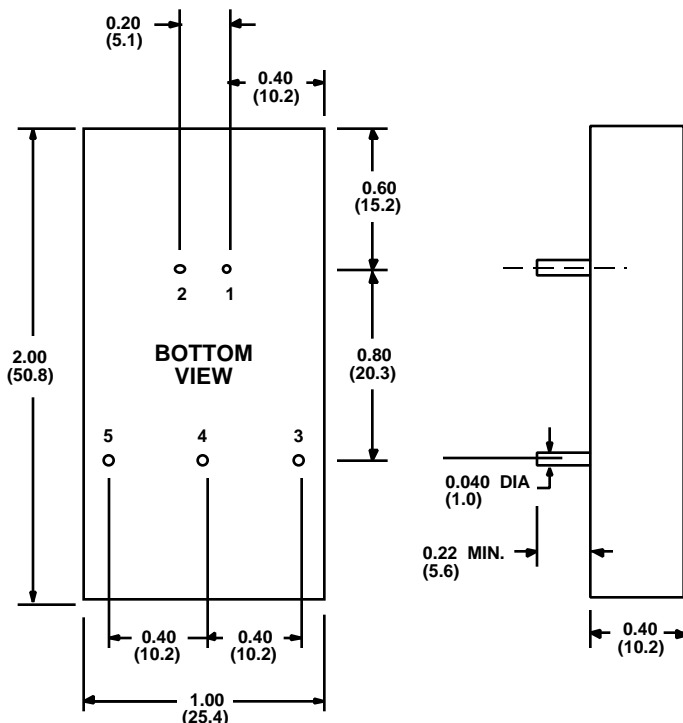
Efficiency.....	See Table
Isolation Voltage.....	500 VDC
Isolation Resistance	10 ⁹ Ohms
Switching Frequency	200kHz min.
Operating Temperature Range.....	-25°C to +71°C
Case Temperature.....	100°C max.
Cooling.....	Free-Air Convection
Storage Temperature Range	-40°C to +100°C
EMI / RFI	Six sided Continuous 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)



PIN CONNECTION	
Pin	Function

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

NP*-NO PIN ON SINGLE OUTPUT

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