

**Features**

- 15W Isolated Output
- 2:1 Input range
- Efficiency to 82%
- Pi input filter
- Continuous short circuit protection
- Meets EN55022 Class A, Conducted



Model Number	Input Voltage	Output Voltage	Output Current	Input Current		Efficiency
				No Load	Full Load	
VBD15-D12-S5	9-18VDC	5VDC	3000mA	20mA	1610mA	78
VBD15-D12-S12	9-18VDC	12VDC	1250mA	20mA	1525mA	82
VBD15-D12-S15	9-18VDC	15VDC	1000mA	20mA	1525mA	82
VBD15-D12-D12	9-18VDC	±12VDC	±625mA	30mA	1510mA	83
VBD15-D12-D15	9-18VDC	±15VDC	±500mA	30mA	1510mA	83
VBD15-D12-D5	9-18VDC	±5VDC	±1500mA	30mA	1565mA	80
VBD15-D12-S3R3	9-18VDC	3.3VDC	3000mA	20mA	1086mA	76
VBD15-D24-S5	18-36VDC	5VDC	3000mA	20mA	800mA	78
VBD15-D24-S12	18-36VDC	12VDC	1250mA	20mA	780mA	80
VBD15-D24-S15	18-36VDC	15VDC	1000mA	20mA	780mA	80
VBD15-D24-D12	18-36VDC	±12VDC	±625mA	30mA	780mA	80
VBD15-D24-D15	18-36VDC	±15VDC	±500mA	30mA	780mA	80
VBD15-D24-D5	18-36VDC	±5VDC	±1500mA	30mA	780mA	80
VBD15-D24-S3R3	18-36VDC	3.3VDC	3000mA	20mA	543mA	76
VBD15-D48-S5	36-72VDC	5VDC	3000mA	10mA	390mA	80
VBD15-D48-S12	36-72VDC	12VDC	1250mA	10mA	380mA	82
VBD15-D48-S15	33-72VDC	15VDC	1000mA	10mA	380mA	82
VBD15-D48-D12	36-72VDC	±12VDC	±625mA	15mA	380mA	82
VBD15-D48-D15	36-72VDC	±15VDC	±500mA	15mA	380mA	82
VBD15-D48-D5	36-72VDC	±5VDC	±1500mA	15mA	380mA	82
VBD15-D48-S3R3	36-72VDC	3.3VDC	3000mA	15mA	272mA	76



### Input

Input Voltage Range	12V:	9-18V
	24V:	18-36V
	48V:	36-72V
Input Filter	Pi Type	

### Output

Voltage Accuracy		
Single Output		±1.0%max.
Dual+Output		±1.0%max.
Dual-Output		±1.0%max.
Voltage Balance (Dual)		±1.0%max.
Transient Response		
Single 25% Step Load Change		<500µ sec.
Dual FL-1/2L ±1% Error Band		<500µ sec.
Ripple & Noise, 20MHz BW		100mV p-p max.
Temperature Coefficient		±0.02%/ °C max.
Short Circuit Protection		Continuous
Line Regulation <sup>1</sup> Single/Dual Output		±0.2% max.
Load Regulation <sup>2</sup> Single/Dual Output		±1.0% max.

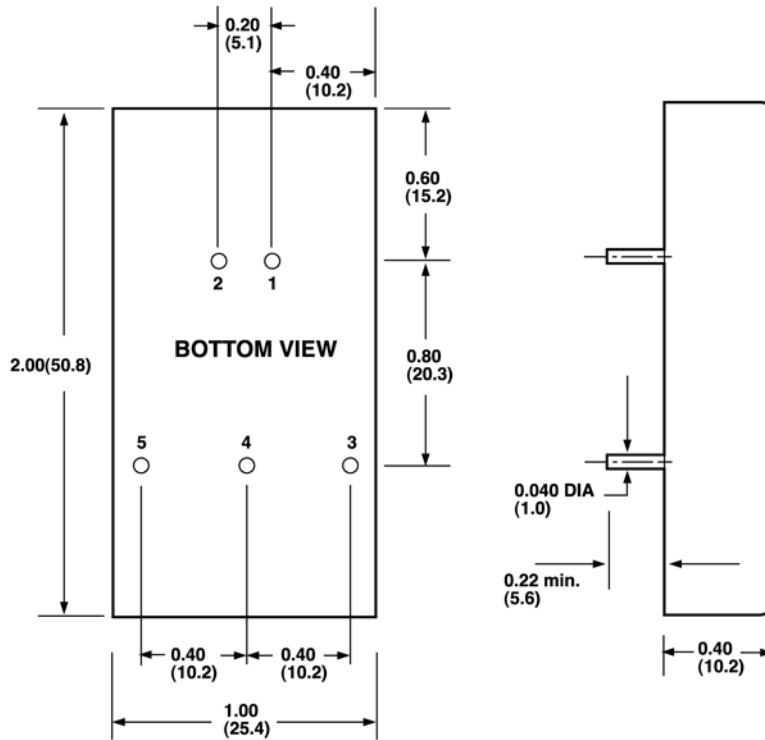
### General Specifications

Efficiency	see table
Isolation Voltage	500VDC min.
Isolation Resistance	10 <sup>9</sup> Ohms
Switching Frequency	200KHz, min.
Operating Temperature Range	-25°C to +71°C
Case Temperature	100° max.
Cooling	Free-Air Convection
Storage Temperature Range	-40°C to +100°C
EMI/RFI	Six Sided Continuous Shield
Dimensions	2x1x0.4 inches (50.8x25.4x10.2mm)
Case Material	Black Coated Copper With Non-Conductive Base

#### NOTES:

1. Measured from High Line to Low Line
2. Measured from Full Load to 1/4 Load
3. A Minimum Load On The Output is Necessary to Maintain Regulation

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

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

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