

5BE

15 WATT WIDE INPUT DC-DC CONVERTERS

Features:

- 15W Isolated output
- Efficiency to 83%
- 2:1 Input Range
- Continuous Short Circuit Protection
- Conductive EMI Mets EN55022, Class A
- Remote On/Off Option

MODEL NUMBER	INPUT VOLTAGE	OUTPUT VOLTAGE	OUTPUT CURRENT MIN.	INPUT CURRENT		% EFF.	CASE
				NO LOAD	FULL LOAD		
5BE01	9 - 18 VDC	5 VDC	3000mA	20 mA	1582 mA	79	B
5BE02		12 VDC	1250mA	20mA	1524mA	82	
5BE03		15VDC	1000mA	20mA	1524mA	82	
5BE04		±12VDC	±625mA	30mA	1506mA	83	
5BE05		±15VDC	±500mA	30mA	1506mA	83	
5BE06		±5VDC	±1500mA	30mA	1543mA	81	
5BE07		3.3VDC	3000mA	20mA	1086mA	76	
5BE11	18 - 36 VDC	5VDC	3000mA	20mA	780mA	80	B
5BE12		12VDC	1250mA	20mA	762mA	82	
5BE13		15VDC	1000mA	20mA	762mA	82	
5BE14		±12VDC	±625mA	25mA	755mA	83	
5BE15		±15VDC	±500mA	25mA	772mA	81	
5BE16		±5VDC	±1500mA	25mA	543mA	76	
5BE17		3.3mA	3000mA	20mA	391mA	80	
5BE21	36 - 72 VDC	5VDC	3000mA	15mA	391mA	80	B
5BE22		12VDC	1250mA	15mA	377mA	83	
5BE23		15VDC	1000mA	15mA	377mA	83	
5BE24		±12VDC	±625mA	20mA	377mA	83	
5BE25		±15VDC	±500mA	20mA	377mA	83	
5BE26		±5VDC	±1500mA	20mA	381mA	82	
5BE27		3.3VDC	3000mA	15mA	271mA	76	

NOTE: 1. Nominal Input Voltage 5 VDC



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Specifications

5BE SERIES

INPUT SPECIFICATIONS

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

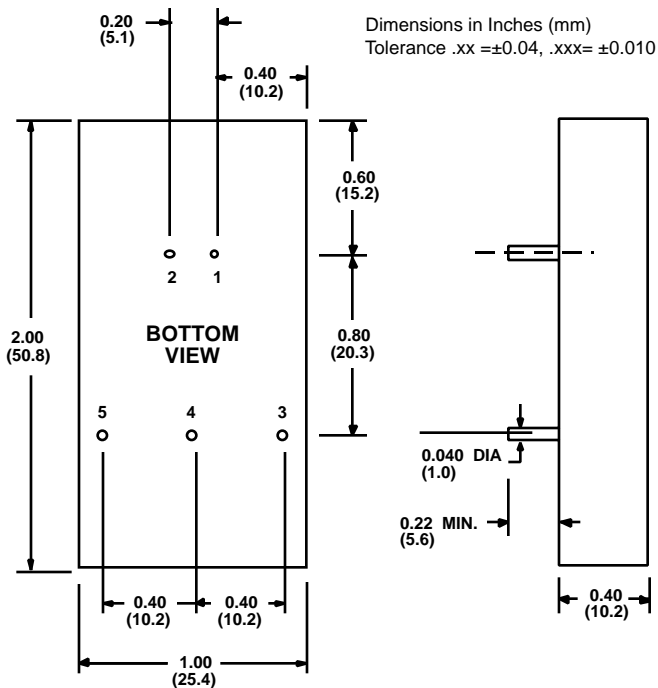
OUTPUT SPECIFICATIONS

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.....	< 500 μ sec.
Dual FL, 1/2L ±1% Error Band.....	< 500 μ 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.....	500VDC min.
Isolation Resistance.....	10 ⁸ ohms min.
Switching Frequency.....	300KHz typ.
Operating Temperature Range.....	-25°C to -71°C
Case Temperature.....	100°C max.
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

CASE B



NOTES:

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

OPTION:

° Suffix "I" to the Model Number with Remote ON/Off Control

Logic Compatibility.....CMOS or Open Collector TTL

EC-ON.....>+5.5VDC or Open Circuit

EC-OFF.....<1.8 VDC

Control Common..... Referenced to Input Minus

° Suffix "A" to the Model Number with Output Voltage Adjustable External Trim Adj. Range > ±10%, Single Output

PIN CONNECTION

Pin	Function
1.	+V Input
2.	-V Input
3.	+V Output
4.	Common/NP/Trim (Option)
5.	-V Output
6.	NP/Remote (Option)

NP* - NO PIN