

BF Series

DC-DC Converter Full Brick



FEATURES

- Standard full brick size
117 x 61 x 13.2mm
4.6 x 2.4 x 0.51 inch
- Ind. Standard footprint & pin out
- High efficiency
- Wide input range: 36 - 75VDC
- Remote control, trim and sense functions
- Over-current, Over-voltage and Over-temperature protections

ENVIRONMENTAL

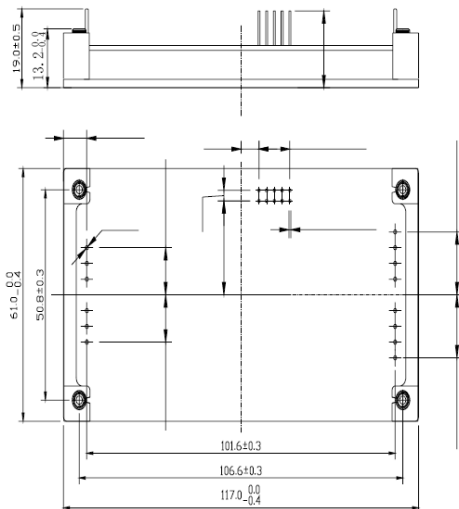
Storage Temp: -55°C to +125°C

Operating Temp: -40°C to +105°C

SAFETY / EMC

UL, TUV, CE, CSA

MECHANICAL



ELECTRICAL SPECIFICATIONS

INPUT

Input voltage range 36 - 75VDC & 28 - 68VDC

OUTPUT

Volt set point accuracy 50mV max

Voltage adjust $\pm 10\%$ V out

Line regulation $\pm 0.1\%$ V out

Load regulation $\pm 0.2\%$ V out

Ripple & Noise 200mV p-p

Over-temp. Protection 100 - 125°C

ORDERING INFORMATION

Model	Input	Output	Power	Size (mm)
BF240S48K	36 - 75VDC	12V/18A	240W	116.8 x 61 x 12.7
BF300S48H	36 - 75VDC	5V/60A	300W	116.8 x 61 x 13.2
BF500S48K	36 - 75VDC	12V/42A	500W	116.8 x 61 x 13.2
BF500S48P	36 - 75VDC	28V/18A	500W	116.8 x 61 x 12.7
BF500S48S	36 - 75VDC	32V/15A	500W	116.8 x 61 x 12.7
BF700S48P	36 - 75VDC	28V/25A	700W	116.8 x 61 x 13.2

Pin Assignment

1	2	3	4	5	6	7	8	9	10	11	12
CNT	+Vin	+Vin	-Vin	-Vin	+Vo	+Vo	+Vo	+Vo	-Vo	-Vo	-Vo
13	14	15	16	17	18	19	20	21	22	23	24
-Vo	Trim	+S	-S	IC	Vccin	NC	NC	NC	NC	NC	+Vin

Specifications subject to change without notice

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