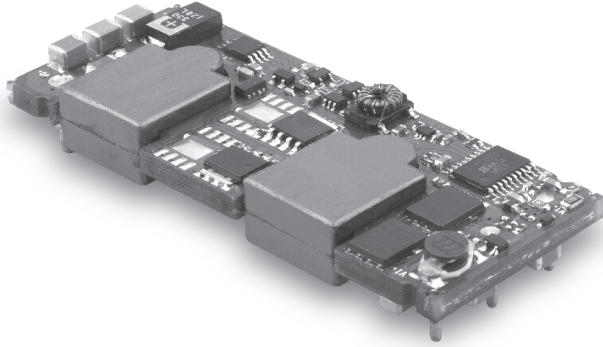


30-84 WATT 1/8 BRICK DC-DC CONVERTERS



Safety Approvals



Features:

- 30-84W Isolated Output
- Eighth Brick Package
- Regulated Outputs
- Efficiency to 92%
- 1500VDC Isolation
- Input Under Voltage Protection
- Over Current Protection
- Over Temperature Protection
- Remote On/Off Control

Electrical Characteristics:

MODEL	INPUT VOLTAGE	OUTPUT VOLTAGE	OUTPUT CURRENT		INPUT CURRENT		%EFF	SIZE
			MIN	MAX	NO LOAD	FULL LOAD		
CEB75-48S1V0	36-75 VDC	1.0 VDC	0 mA	30A	60 mA	753mA	83	Eighth-Brick
CEB75-48S1V2	36-75 VDC	1.2 VDC	0 mA	30A	60 mA	882mA	85	Eighth-Brick
CEB75-48S1V5	36-75 VDC	1.5 VDC	0 mA	30A	60 mA	1090mA	86	Eighth-Brick
CEB75-48S1V8	36-75 VDC	1.8 VDC	0 mA	30A	60 mA	1293mA	87	Eighth-Brick
CEB75-48S2V5	36-75 VDC	2.5 VDC	0 mA	25A	60 mA	1463mA	89	Eighth-Brick
CEB75-48S3V3	36-75 VDC	3.3 VDC	0 mA	20A	60 mA	1528mA	90	Eighth-Brick
CEB75-48S05	36-75 VDC	5.0 VDC	0 mA	15A	60 mA	1736mA	90	Eighth-Brick
CEB75-48S12	36-75 VDC	12 VDC	0 mA	7A	70 mA	1902mA	92	Eighth-Brick

NOTE: 1. Nominal Input Voltage 48 VDC

Specification

INPUT SPECIFICATIONS:

Input Voltage Range.....	48V.....	36 – 75V
Under voltage lockout	power up	35V typ.
	power down	33V typ.
Input Filter		LC Type
Positive Logic Remote on/off Control (see Note4 & 5)		
Input Filter.....	PI Type	
	12Vout.....	LC Type

OUTPUT SPECIFICATIONS:

Voltage Accuracy.....	±1.0% max.
Transient Response :25% Step Load Change.....	<400u sec.
Ripple and Noise, 20MHz BW	100mV p-p max.
Temperature Coefficient.....	±0.03%/C max.
Short Circuit Protection.....	Continuous / Hiccup
Line Regulation1.....	±0.2% max.
Load Regulation2.....	±0.5% max.
Over Voltage Protection Trip Range, %Vo nom.....	115%-140%
External Trim Adj. Range6.....	±10%
Current Limit.....	110% - 160% Nominal Output

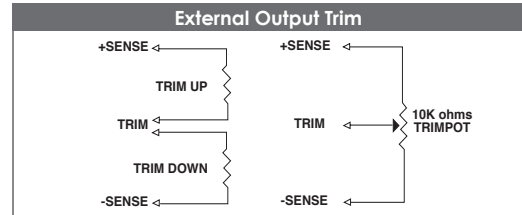
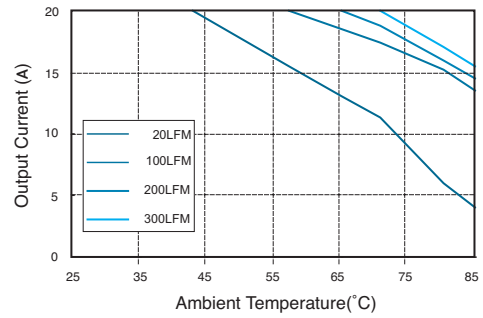
GENERAL SPECIFICATIONS:

Efficiency.....	See Table	
Isolation Voltage.....	1500 VDC min.	
Isolation Resistance	107 Ohms min.	
Switching Frequency	250KHz typ	
	1V/1V2/1V5/1V8/5V.....	200 KHz typ.
	12Vout.....	350KHz Typ.
Over Temperature Protection	120°C typ.	
Operating Ambient Temperature Range.....	-40°C to +85°C	
Storage Temperature Range	-40°C to +125°C	
Dimensions.....	2.30 x 0.90 x 0.39 inches (58.4 x 22.9 x 10.0 mm)	
Weight.....	26g	

NOTES:

- Measured From High Line to Low Line
- Measured From Full Load to Zero Load
- The output ripple and noise is measured with 10uF tantalum and 1uF Ceramic capacitor across output.
- Logic Compatibility
- Suffix "N" to the Model Number with Negative Logic Remote ON/OFF
Module ON < 1.2Vdc
Module OFF Open Circuit
- Trim-up.....Connect a Resistor Between the Trim Pin and+Sense
- Trim-Down.....Connect a Resistor Between the Trim Pin and-Sense

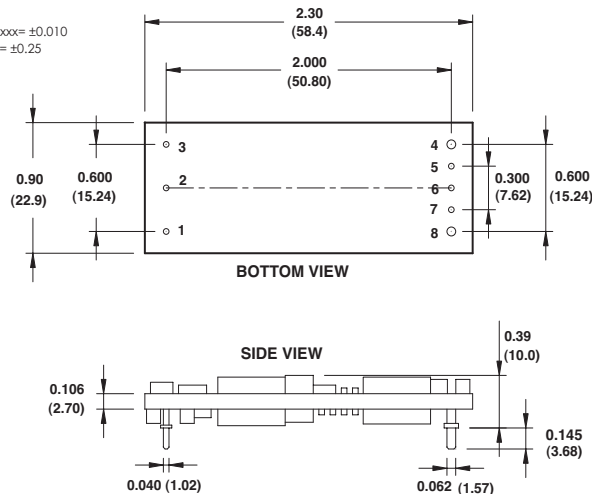
Typical Derating Curve for CEB75-48S3V3



PIN CONNECTION	
Pin	Function
1	+V Input
2	ON/OFF
3	-V Input
4	-V Output
5	-Sense
6	Trim
7	+Sense
8	+Vout

SIZE EB

All Dimensions In Inches (mm)
Tolerance Inches: x.xx= ±0.02, x.xxx= ±0.010
Millimeters: x.x= ±0.5, x.xx= ±0.25



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