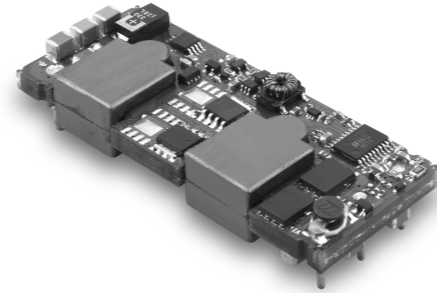


CEB75

S E R I E S

NEW



30 TO 84 WATT OPEN FRAME DC-DC CONVERTERS

Features

- 30 - 84W Isolated Output
- Efficiency to 92%
- Fixed Switching Frequency
- Monotonic start-up into pre-biased load
- Input under-voltage Protection
- Over Temperature Protection
- Over Current Protection
- Remote ON/OFF
- Industry Standard Eighth Brick Package
- UL/C-UL 60950 Certified
- Fully Isolated 2250VDC

MODEL NUMBER	INPUT VOLTAGE	OUTPUT VOLTAGE	OUTPUT CURRENT MIN.	OUTPUT CURRENT MAX.	INPUT CURRENT NO LOAD	INPUT CURRENT FULL LOAD	%EFF	CASE
CEB75-48S1V0	36-75 VDC	1.0 VDC	0 mA	30A	60 mA	753mA	83	EB
CEB75-48S1V2	36-75 VDC	1.2 VDC	0 mA	30A	60 mA	882mA	85	EB
CEB75-48S1V5	36-75 VDC	1.5 VDC	0 mA	30A	60 mA	1078mA	87	EB
CEB75-48S1V8	36-75 VDC	1.8 VDC	0 mA	30A	60 mA	1278mA	88	EB
CEB75-48S2V5	36-75 VDC	2.5 VDC	0 mA	25A	60 mA	1463mA	89	EB
CEB75-48S3V3	36-75 VDC	3.3 VDC	0 mA	20A	60 mA	1545mA	89	EB
CEB75-48S05	36-75 VDC	5.0 VDC	0 mA	15A	60 mA	1736mA	90	EB
CEB75-48S09	36-75 VDC	9.0 VDC	0 mA	8A	60 mA	1648mA	91	EB
CEB75-48S12	36-75 VDC	12 VDC	0 mA	7A	60 mA	1902mA	92	EB

NOTE : 1. Nominal Input Voltage 48 VDC

Specifications

INPUT SPECIFICATIONS:

Input Voltage Range.....	48V.....	36 - 75V
Under voltage lockout	48Vin power up	35V typ.
	power down	33V typ.
Input Filter		LC Type
Positive / Negative Logic Remote on/off Control :		
Logic Compatibility.....		CMOS or Open Collector TTL
Module ON.....		Open Circuit or Logic High
Module OFF.....		<1.2VDC

OUTPUT SPECIFICATIONS:

Voltage Accuracy.....		±1.0% max.
Transient Response :25% Step Load Change.....		<500u sec.
Ripple and Noise, 20MHz BW		100mV p-p max.
Temperature Coefficient.....		±0.03%/C max.
Short Circuit Protection.....		Continuous / Hiccup
Line Regulation, Note1.....		±0.2% max.
Load Regulation, Note2.....		±0.5% max.
Over Voltage Protection Trip Range, %Vo nom.....		115%-140%
External Trim Adj. Range.....		±10%
Current Limit.....		110% - 140% Nominal Output

GENERAL SPECIFICATIONS:

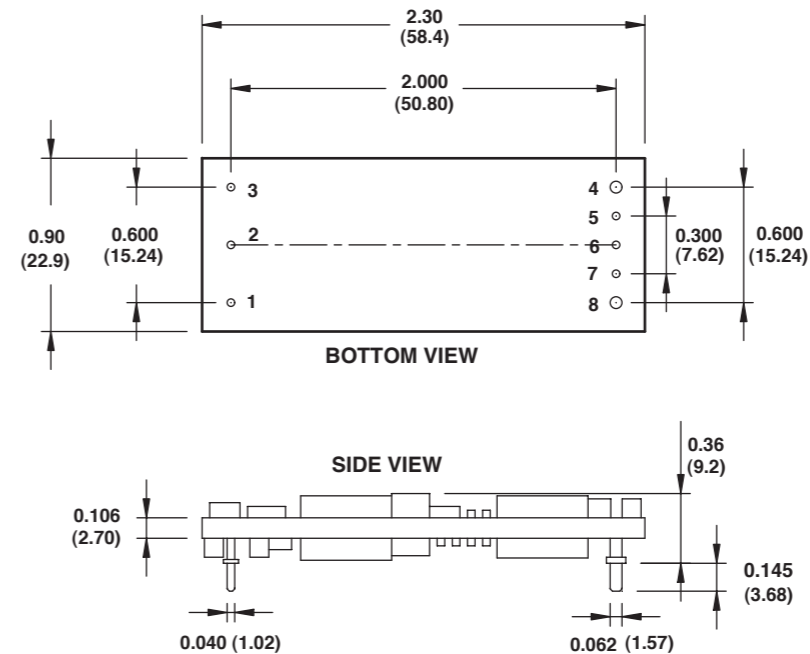
Efficiency.....	See Table
Isolation Voltage.....	2250 VDC min.
Isolation Resistance	10 ⁹ Ohms min.
Switching Frequency	250KHz typ.
Over Temperature Protection	120°C typ.
Operating Ambient Temperature Range.....	-40°C to +85°C
Power Derating Curve	refer to Application Note
Storage Temperature Range	-40°C to +125°C
Dimensions.....	2.3 x 0.9 x 0.36 inches (58.4 x 22.9 x 9.2 mm)
Weight.....	26g

NOTE:

1. Measured From High Line to Low Line
2. Measured From Full Load to min. Load
3. Suffix "N" to the Model Number with Negative Logic Remote ON/OFF
Module ON..... <1.2VDC
Module OFF..... Open Circuit or Logic High
4. The output ripple and noise is measured with 10uF tantalum and 1uF Ceramic capacitor across output.

SIZE EB

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



PIN CONNECTION

Pin	Function
1	+Vin
2	ON/OFF
3	-Vin
4	-Vout
5	-SENSE
6	Trim
7	+SENSE
8	+Vout