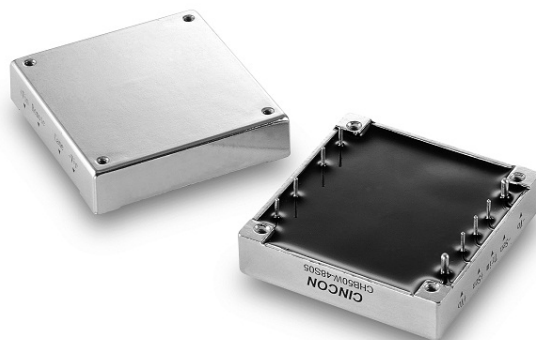




FEATURES

- * 33-50W Isolated Output
- * Efficiency to 87%
- * 300KHz Switching Frequency
- * 4:1 Input Range
- * Regulated Outputs
- * Continuous Short Circuit Protection
- * Five-Sided Shield Metal Case
- * Half-Brick Size Meet Industrial Standard
- * CE Mark Meets 2004/108/EC
- * UL60950-1 Approval (Except 28 Vout)
- * Safety Meets UL60950-1, EN60950-1 and IEC60950-1



MODEL NUMBER	INPUT VOLTAGE	OUTPUT VOLTAGE	OUTPUT CURRENT		INPUT CURRENT		% EFF.	CAPACITOR LOAD MAX.
			MIN.	MAX.	NO LOAD	FULL LOAD		
CHB50W-24S33	9-36 VDC	3.3 VDC	0 mA	10 A	50 mA	1740 mA	79	10000uF
CHB50W-24S05	9-36 VDC	5 VDC	0 mA	10 A	50 mA	2570 mA	81	10000uF
CHB50W-24S12	9-36 VDC	12 VDC	0 mA	4.16 A	50 mA	2510 mA	83	4160uF
CHB50W-24S15	9-36 VDC	15 VDC	0 mA	3.33 A	50 mA	2448 mA	85	3330uF
CHB50W-24S24	9-36 VDC	24 VDC	0 mA	2.08 A	50 mA	2476 mA	84	2080uF
CHB50W-24S28	9-36 VDC	28 VDC	0 mA	1.78 A	50 mA	2510 mA	83	1780uF
CHB50W-24S48	9-36 VDC	48 VDC	0 mA	1.04 A	50 mA	2506 mA	83	1040uF
CHB50W-48S33	18-75 VDC	3.3 VDC	0 mA	10 A	50 mA	848 mA	81	10000uF
CHB50W-48S05	18-75 VDC	5 VDC	0 mA	10 A	50 mA	1255 mA	83	10000uF
CHB50W-48S12	18-75 VDC	12 VDC	0 mA	4.16 A	50 mA	1223 mA	85	4160uF
CHB50W-48S15	18-75 VDC	15 VDC	0 mA	3.33 A	50 mA	1196 mA	87	3330uF
CHB50W-48S24	18-75 VDC	24 VDC	0 mA	2.08 A	50 mA	1209 mA	86	2080uF
CHB50W-48S28	18-75 VDC	28 VDC	0 mA	1.78 A	50 mA	1223 mA	85	1780uF
CHB50W-48S48	18-75 VDC	48 VDC	0 mA	1.04 A	50 mA	1238 mA	84	1040uF

NOTE: 1. Nominal Input Voltage 24, 48VDC

SPECIFICATIONS

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

INPUT SPECIFICATIONS:

Input Voltage Range.....	24V	9 – 36V
	48V	18 – 75V
Input Surge Voltage (100ms max.)	24V	50Vdc max.
	48V	100Vdc max.

Under Voltage Lockout:

24Vin	power up	8.8V, power down	8V
48Vin	power up	17V, power down	16V

Positive Logic Remote On/Off (note3&4)

Input Filter Pi Type

OUTPUT SPECIFICATIONS:

Voltage Accuracy (note7)	±1.0% max.
Transient Response: 25% Step Load Change	<500µs
External Trim Adj. Range	±10%
Ripple & Noise, 20MHz BW (note5)	

3.3V&5V	40mV RMS max., 100mV pk-pk max.
12V&15V	60mV RMS max., 150mV pk-pk max.
24V	100mV RMS max., 240mV pk-pk max.
28V	100mV RMS max., 280mV pk-pk max.
48V	200mV RMS max., 480mV pk-pk max.

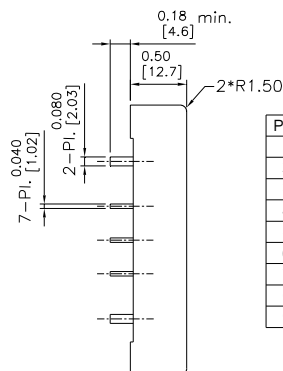
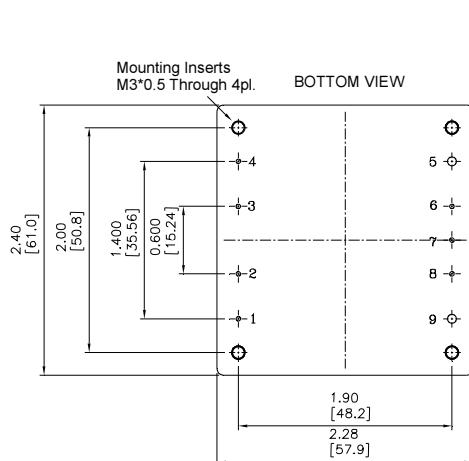
Temperature Coefficient	±0.03%/°C
Short Circuit Protection	Continuous
Line Regulation (note1&7)	±0.2% max.
Load Regulation (note2&7)	±0.2% max.
Over Voltage Protection Trip Range, % Vo nom.	115-140%
Current Limit	110% -160% Nominal Output
Start up time	5ms typ.

CASE HB

All Dimensions In Inches(mm)

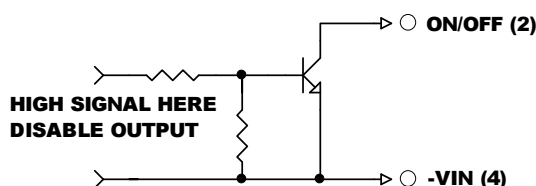
Tolerances Inches: X.XX= ±0.02 , X.XXX= ±0.010

Millimeters: X.X= ±0.5 , X.XX=±0.25

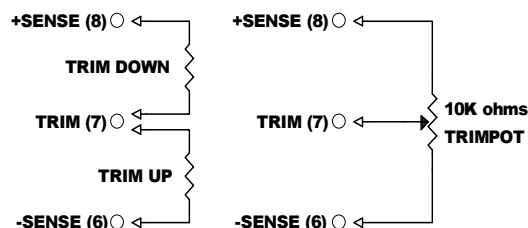


Pin	Function
1	+Vin
2	ON/OFF
3	CASE
4	-Vin
5	-Vout
6	-Sense
7	Trim
8	+Sense
9	+Vout

REMOTE ON/OFF CONTROL



EXTERNAL OUTPUT TRIM



Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

Cincon:

[CHB50W-24S33](#) [CHB50W-48S33](#) [CHB50W-48S05](#) [CHB50W-24S05](#) [CHB50W-24S12](#) [CHB50W-24S15](#) [CHB50W-24S24](#) [CHB50W-48S12](#) [CHB50W-48S15](#) [CHB50W-48S24](#) [CHB50W-24S15N](#) [CHB50W-48S15N](#) [CHB50W-24S24N](#) [CHB50W-48S24N](#) [CHB50W-24S05N](#) [CHB50W-24S33N](#) [CHB50W-48S05N](#) [CHB50W-48S33N](#) [CHB50W-24S12N](#) [CHB50W-48S12N](#)