



## FEATURES

- \* 99 - 150W Isolated Output
- \* Efficiency to 89%
- \* 500KHz Switching Frequency
- \* 2 : 1 Input Range
- \* Regulated Outputs
- \* Continuous Short Circuit Protection
- \* Five-Sided Metal Case
- \* Half-Brick Size Meet Industrial Standard
- \* CE Mark Meets 2004/108/EC
- \* UL60950-1 Approval
- \* Without Tantalum Capacitor Inside  
(V2.X Only, with ~~TC~~ Label)



MODEL NUMBER	INPUT VOLTAGE	OUTPUT VOLTAGE	OUTPUT CURRENT		INPUT CURRENT		% EFF.	CAPACITOR LOAD MAX.
			MIN.	MAX.	NO LOAD	FULL LOAD		
CHB150-48S33	36-75 VDC	3.3 VDC	0 mA	30 A	25 mA	2.5 A	82	30000uF
CHB150-48S05	36-75 VDC	5 VDC	0 mA	30 A	25 mA	3.6 A	86	30000uF
CHB150-48S12	36-75 VDC	12 VDC	0 mA	12.5 A	25 mA	3.5 A	89	12500uF
CHB150-48S15	36-75 VDC	15 VDC	0 mA	10 A	25 mA	3.5 A	89	10000uF
CHB150-48S24	36-75 VDC	24 VDC	0 mA	6.25 A	25 mA	3.5 A	89	6250uF

NOTE: 1. Nominal Input Voltage 48VDC

# SPECIFICATIONS

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

## INPUT SPECIFICATIONS:

Input Voltage Range	48V.....	36-75V
Input Surge Voltage (100ms max.)	48V .....	100Vdc max.
Under Voltage Lockout	48Vin power up	34V
	48Vin power down	32.5V
Positive Logic Remote ON/OFF (note3&4)		

Input Filter ..... Pi Type

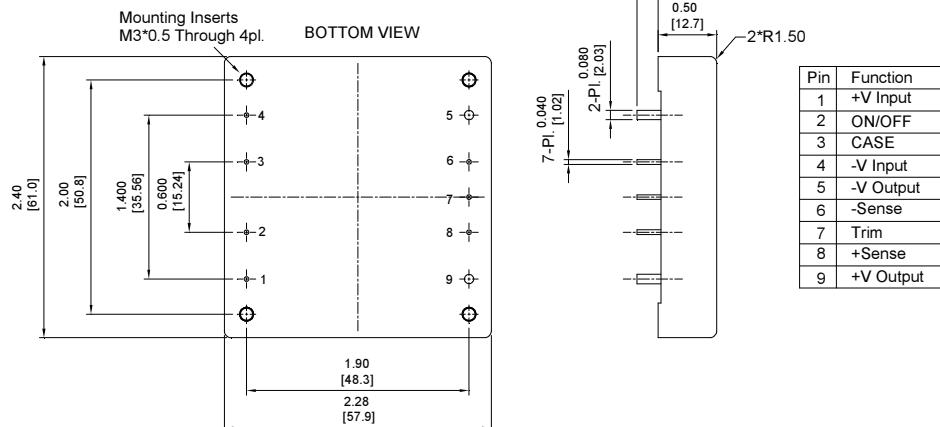
## OUTPUT SPECIFICATIONS:

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

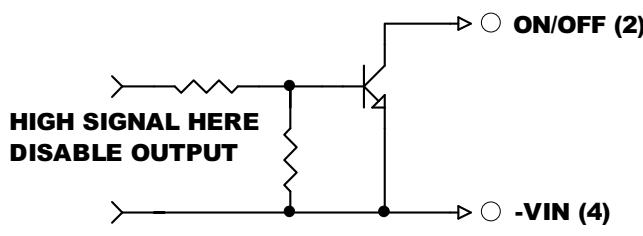
## CASE HB

All Dimensions In Inches(mm)

Tolerances     Inches: X.XX= ±0.02 , X.XXX= ±0.010  
Millimeters: X.X= ±0.5 , X.XX=±0.25



## REMOTE ON/OFF CONTROL



## EXTERNAL OUTPUT TRIM

