



CHB150W8 SERIES

150 WATT 8:1 INPUT

DC-DC CONVERTERS

SINGLE OUTPUT

FEATURE

- *150W Isolated Output
- * Efficiency to 92.5%
- * Fixed Switching Frequency
- * Input Under Voltage Protection
- * Over Temperature Protection
- * Over Voltage/Current Protection
- * Remote On/Off
- * Industry Standard Half-Brick Package
- * Fully Isolated 1500VDC



MODEL NUMBER	INPUT VOLTAGE	OUTPUT VOLTAGE	OUTPUT CURRENT		INPUT CURRENT		% EFF.			CAPACITIVE LOAD MAX.
			MIN.	MAX.	NO LOAD	FULL LOAD	(2)	(1)	(3)	
CHB150W8-36S05	9-75 VDC	5 VDC	0 mA	30 A ⁽⁵⁾	150 mA	4.71 A	88	88.5	88.5	10000μF
CHB150W8-36S12	9-75 VDC	12 VDC	0 mA	12.5 A	150 mA	4.53 A	92	92	91	5000μF
CHB150W8-36S15	9-75 VDC	15 VDC	0 mA	10 A	150 mA	4.50 A	92	92.5	92.5	5000μF
CHB150W8-36S24	9-75 VDC	24 VDC	0 mA	6.25 A	60 mA	4.66 A	89.5	89.5	89	2000μF ⁽⁴⁾
CHB150W8-36S28	9-75 VDC	28 VDC	0 mA	5.35 A	60 mA	4.62 A	90	90	89.5	1500μF ⁽⁴⁾
CHB150W8-36S48	9-75 VDC	48 VDC	0 mA	3.13 A	60 mA	4.64 A	90.5	90	89.5	1000μF ⁽⁴⁾

NOTE:

1. Nominal Input Voltage 36 VDC
2. Measured at 24Vin
3. Measured at 48Vin
4. The output terminal of 24, 28, 48Vout models required a minimum capacitor 100uF to maintain specified regulation.
5. CHB150W8-36S05 Vin=9-12V, Output Current =0.8*Io max.

Mouser Electronics

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