



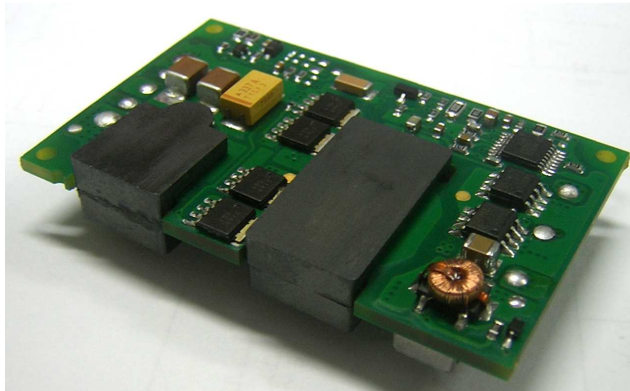
CQB125 SERIES

100 TO 125 WATT 1/4 BRICK

DC-DC CONVERTERS

FEATURES

- * 100 - 125W Isolated Output
- * Quarter Brick Package
- * Regulated Output
- * Efficiency to 92%
- * 1500VDC Isolation
- * Input Under voltage Protection
- * Over Current Protection
- * Over Temperature Protection
- * Remote ON/OFF
- * Safety Meets UL60950-1



MODEL NUMBER	INPUT VOLTAGE	OUTPUT VOLTAGE	OUTPUT CURRENT		INPUT CURRENT		% EFF.	Capacitor Load max.
			MIN.	MAX.	NO LOAD	FULL LOAD		
CQB125-48S2V5	36-75 VDC	2.5 VDC	0 mA	40A	70 mA	2341mA	89	10000μF
CQB125-48S3V3	36-75 VDC	3.3 VDC	0 mA	35A	70 mA	2673mA	90	10000μF
CQB125-48S05	36-75 VDC	5.0 VDC	0 mA	25A	90 mA	2861mA	91	10000μF
CQB125-48S12	36-75 VDC	12 VDC	0 mA	10A	100 mA	2717mA	92	2200μF

NOTE: 1. Nominal Input Voltage 48VDC

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INPUT SPECIFICATIONS:

OUTPUT SPECIFICATIONS:

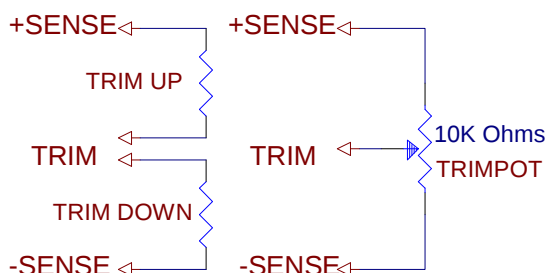
GENERAL SPECIFICATIONS:

Over Temperature Protection 120°C typ.
Operating Ambient Temperature Range -40°C to +85°C
Power De-rating Curve refer to Application Note
Storage Temperature Range -40°C to +125°C
Dimensions 2.30 x 1.45 x 0.42 inches(58.4 x 36.8 x 10.6 mm)
Weight 40g

NOTE:

- ### SIZE OB Dimensions :

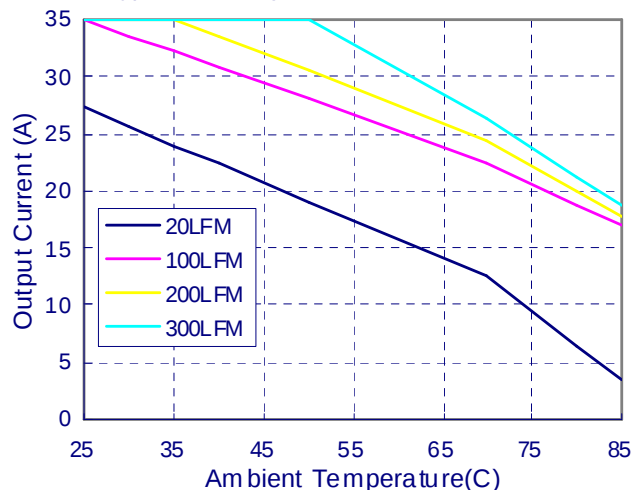
EXTERNAL OUTPUT TRIM



PIN CONNECTION	
Pin	Function
1	+ Vin
2	ON/OFF
3	− Vin
4	− Vout
5	− Sense
6	Trim
7	+ Sense
8	+ Vout

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Typical Derating Curve for CQB125-48S3V3



Mouser Electronics

Authorized Distributor

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Cincon:

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[CQB125-48S05](#) [CQB125-48S12](#) [CQB125-48S1V5N](#) [CQB125-48S1V2N](#) [CQB125-48S1V8N](#) [CQB125-48S12N](#)
[CQB125-48S3V3N](#) [CQB125-48S1V0N](#) [CQB125-48S2V5N](#) [CQB125-48S05N](#)