



# CHASSIS MOUNT CQB100W-110S SERIES 100 WATT 4:1 INPUT DC-DC CONVERTERS



## FEATURES

- \* 100W Isolated Output
- \* Efficiency to 91%
- \* Fixed Switching Frequency
- \* 4:1 Input Range
- \* Regulated Outputs
- \* Remote On/Off
- \* Low No Load Power Consumption
- \* Over Temperature Protection
- \* Over Voltage/Current Protection
- \* Continuous Short Circuit Protection
- \* Build-In EMI Filter
- \* Fire & Smoke Meets EN45545-2
- \* Shock & Vibration Meets EN50155 (EN61373)
- \* Safety Meets UL60950-1, EN60950-1 and IEC60950-1
- \* UL60950-1 2<sup>nd</sup> (Basic Insulation) Approval for DC Modules
- \* EN50155:2007 for EMC, Environmental and Characteristic



MODEL NUMBER	INPUT VOLTAGE	OUTPUT VOLTAGE	OUTPUT CURRENT		INPUT CURRENT		% EFF.	CAPACITOR LOAD MAX.
			MIN.	MAX.	NO LOAD	FULL LOAD		
CQB100W-110S05□-CMFC CQB100W-110S05□-CMFD	43-160 VDC	5 VDC	0 mA	20.0 A	15 mA	1.03A	89	20000μF
CQB100W-110S12□-CMFC CQB100W-110S12□-CMFD	43-160 VDC	12 VDC	0 mA	8.4 A	15 mA	1.01A	91	8400μF
CQB100W-110S15□-CMFC CQB100W-110S15□-CMFD	43-160 VDC	15 VDC	0 mA	6.7 A	15 mA	1.01A	91	6700μF
CQB100W-110S24□-CMFC CQB100W-110S24□-CMFD	43-160 VDC	24 VDC	0 mA	4.2 A	15 mA	1.04A	88	4200μF
CQB100W-110S28□-CMFC CQB100W-110S28□-CMFD	43-160 VDC	28 VDC	0 mA	3.6 A	15 mA	1.04A	88	3600μF
CQB100W-110S48□-CMFC CQB100W-110S48□-CMFD	43-160 VDC	48 VDC	0 mA	2.1 A	15 mA	1.02A	89.5	1000μF

### NOTE:

1. Nominal Input Voltage 110VDC
2. □ = N or None.
3. VR1 is used for Output Voltage Adjustment.
4. Refer to Application Note for Thermal Resistance and Derating Informations.
5. TVS is Included for Input Surge Voltage Protection.
6. Recommend an External Fuse for Input Reverse Polarity Protection (Shunt Diode is Included Inside).

