



CHASSIS MOUNT CQB150-300S SERIES 150 WATT 2:1 INPUT DC-DC CONVERTERS



FEATURES

- * 150W Isolated Output
- * Efficiency to 89%
- * Low No Load Power Consumption
- * Fixed Switching Frequency
- * Regulated Outputs
- * Over Temperature Protection
- * Over Voltage/Current Protection
- * Remote On/Off
- * Continuous Short Circuit Protection
- * Shock & Vibration Meet EN61373
- * Safety Meets IEC/EN/UL 62368-1
- * UL62368-1 (Reinforced Insulation) Approval for DC Modules
- * Build-In EMI Filter
- * Fire & Smoke Meet EN45545-2
- * Baseplate Cooled



| MODEL NUMBER | INPUT VOLTAGE | OUTPUT VOLTAGE | OUTPUT CURRENT | | INPUT CURRENT | | % EFF. | CAPACITOR LOAD MAX. |
|--|---------------|----------------|----------------|--------|---------------|-----------|--------|---------------------|
| | | | MIN. | MAX. | NO LOAD | FULL LOAD | | |
| CQB150-300S05□-CMFC CQB150-300S05□-CMFD | 180-425 VDC | 5 VDC | 0 mA | 30 A | 10 mA | 580 mA | 85.5 | 10000μF |
| CQB150-300S12□-CMFC CQB150-300S12□-CMFD | 180-425 VDC | 12 VDC | 0 mA | 12.5 A | 10 mA | 560 mA | 89 | 8800μF |
| CQB150-300S15□-CMFC CQB150-300S15□-CMFD | 180-425 VDC | 15VDC | 0 mA | 10 A | 10 mA | 560 mA | 89 | 8800μF |
| CQB150-300S24□-CMFC CQB150-300S24□-CMFD | 180-425 VDC | 24 VDC | 0 mA | 6.3 A | 10 mA | 570 mA | 88.5 | 3300μF |
| CQB150-300S28□-CMFC CQB150-300S28□-CMFD | 180-425 VDC | 28 VDC | 0 mA | 5.4 A | 10 mA | 570 mA | 88.5 | 3300μF |
| CQB150-300S48□-CMFC CQB150-300S48□-CMFD | 180-425 VDC | 48 VDC | 0 mA | 3.2 A | 10 mA | 570 mA | 89 | 1000μF |

NOTE:

1. Nominal Input Voltage 300VDC
2. □ = N or None
3. VR 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).

