



CQB150W14 SERIES 150 WATT 14:1 INPUT ISOLATED DC-DC CONVERTER

Features

- Efficiency up to 90.5%
- Fixed Switching Frequency
- 14:1 Input Range
- Regulated Outputs
- Remote On/Off
- Low No Load Power Consumption
- Fully protected (OTP/OCP/OVP/UVLO)
- 3000Vac I/O Isolation
- Operating Case Temperature -40 to +105°C
- Quarter Brick Size Meet Industrial Standard 2.28"x1.45"x0.5"
- CB Test Certificate IEC 62368-1
- EN 55032/EN 55035/EN 50155 Compliant with External Circuits
- UL 62368-1 3rd (Reinforce Insulation) Approval
- Shock & Vibration EN 50155 (EN 61373) Compliant
- Fire & Smoke EN 45545-2 Compliant
- 5000m Operating Altitude
- Option Model with Bus & External UVLO Function



MODEL NUMBER	INPUT VOLTAGE	OUTPUT VOLTAGE	OUTPUT CURRENT		INPUT CURRENT		% EFF.		CAPACITOR LOAD MAX.
			MIN.	MAX.	NO LOAD	FULL LOAD	(1)	(2)	
CQB150W14-72S05	12-160 VDC	5 VDC	0 mA	25000 mA	25 mA	1929 mA	90	90	25000uF
CQB150W14-72S12	12-160 VDC	12 VDC	0 mA	12500 mA	25 mA	2315 mA	90	89	12500uF
CQB150W14-72S15	12-160 VDC	15 VDC	0 mA	10000 mA	25 mA	2302 mA	90.5	90	10000uF
CQB150W14-72S24	12-160 VDC	24 VDC	0 mA	6300 mA	22 mA	2360 mA	89	88	6300µF
CQB150W14-72S28	12-160 VDC	28 VDC	0 mA	5400 mA	22 mA	2334 mA	90	89	5400µF
CQB150W14-72S54	12-160 VDC	54 VDC	0 mA	2800 mA	22 mA	2321 mA	90.5	89.5	1500µF

NOTE:

1. Nominal Input Voltage 72 VDC.
2. Measured at Input Voltage 110VDC.
3. An External Input Capacitor 470uF for All Models are Recommended to Reduce Input Ripple Voltage.

PART NUMBER

Series	Nominal Input Voltage	Number of Outputs	Nominal Output Voltage	Remote On/Off Logic	Mounting Inserts
CQB150W14-	II	O	XX	L	-Y (Option)
CQB150W14	72 : 72 VDC	S : Single	05 : 05VDC 12 : 12VDC 15 : 15VDC 24 : 24VDC 28 : 28VDC 54 : 54VDC	None : Positive N : Negative	None : M3x0.5 Mounting Inserts -C : Clear Mounting Insert (3.2mm DIA.) -B : With Bus & External UVLO Function -C-B : Clear Mounting Insert (3.2mm DIA.) and with Bus & External UVLO Function

Part Number Example:

CQB150W14-72S12N-C: Quarter Brick, 150W, 14:1 12-160Vdc Input, Single 12Vdc Output, Negative Logic, Clear Mounting Insert

