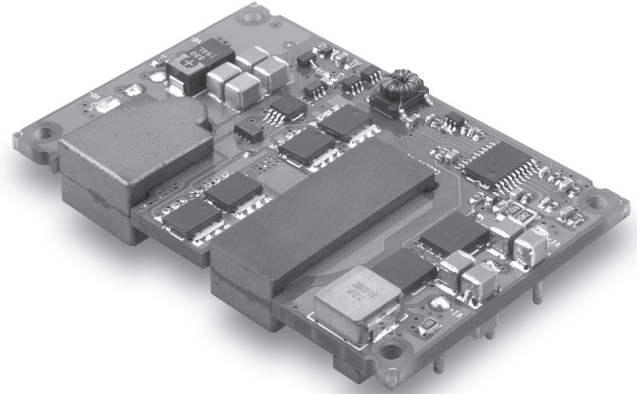


Description:

- 40 - 125W Isolated Output
- Efficiency to 92%
- Fixed Switching Frequency
- Monotonic start-up into pre-biased load
- Input under-voltage Protection
- Over Temperature Protection
- Over Current Protection
- Remote ON/OFF
- Industry Standard Quarter Brick Package
- Fully Isolated 2250VDC



MODEL NUMBER	INPUT VOLTAGE	OUTPUT VOLTAGE	OUTPUT CURRENT MIN.	OUTPUT CURRENT MAX.	INPUT CURRENT NO LOAD	INPUT CURRENT FULL LOAD	%EFF	SIZE
CQB125-48S1V0	36-75 VDC	1.0 VDC	0 mA	40A	60 mA	1004mA	83	QB
CQB125-48S1V2	36-75 VDC	1.2 VDC	0 mA	40A	60 mA	1176mA	85	QB
CQB125-48S1V5	36-75 VDC	1.5 VDC	0 mA	40A	60 mA	1436mA	87	QB
CQB125-48S1V8	36-75 VDC	1.8 VDC	0 mA	40A	60 mA	1705mA	88	QB
CQB125-48S2V5	36-75 VDC	2.5 VDC	0 mA	40A	60 mA	2341mA	89	QB
CQB125-48S3V3	36-75 VDC	3.3 VDC	0 mA	35A	60 mA	2704mA	89	QB
CQB125-48S05	36-75 VDC	5.0 VDC	0 mA	25A	60 mA	2894mA	90	QB
CQB125-48S09	36-75 VDC	9.0 VDC	0 mA	13A	60 mA	2679mA	91	QB
CQB125-48S12	36-75 VDC	12 VDC	0 mA	10A	60 mA	2717mA	92	QB

NOTE : 1. Nominal Input Voltage 48 VDC

Specifications

INPUT SPECIFICATIONS:

Input Voltage Range.....	48V.....	36 – 75V
Under voltage lockout	48Vin power up	35V typ.
	power down	33V typ.
Input Filter		LC Type
Positive / Negative Logic Remote on/off Control :		
Logic Compatibility.....		CMOS or Open Collector TTL
Module ON.....		Open Circuit or Logic High
Module OFF.....		<1.2VDC

OUTPUT SPECIFICATIONS:

Voltage Accuracy.....		±1.0% max.
Transient Response :25% Step Load Change.....		<500u sec.
Ripple and Noise, 20MHz BW		100mV p-p max.
Temperature Coefficient.....		±0.03%/C max.
Short Circuit Protection.....		Continuous / Hiccup
Line Regulation, Note1.....		±0.2% max.
Load Regulation, Note2.....		±0.5% max.
Over Voltage Protection Trip Range, %Vo nom.....		115%-140%
External Trim Adj. Range.....		±10%
Current Limit.....		110% - 140% Nominal Output

GENERAL SPECIFICATIONS:

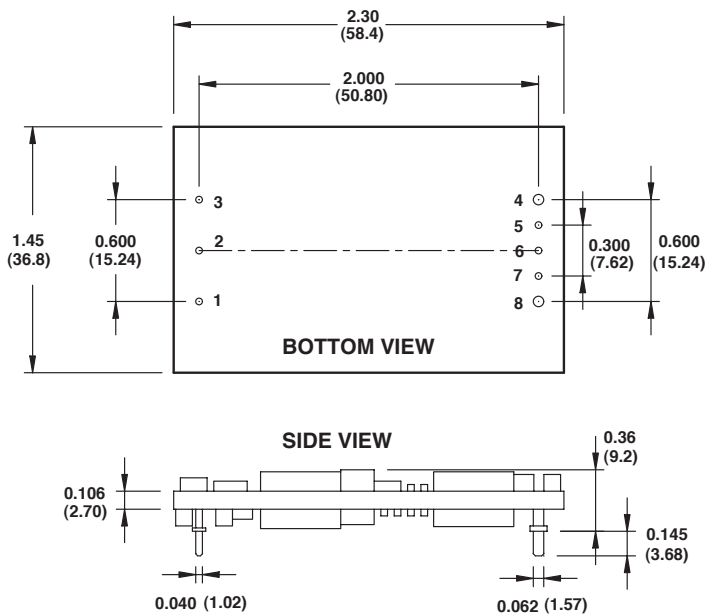
Efficiency.....	See Table
Isolation Voltage.....	2250 VDC min.
Isolation Resistance	10 ⁷ Ohms min.
Switching Frequency	250KHz typ.
Over Temperature Protection	120°C typ.
Operating Ambient Temperature Range.....	- 40°C to +85°C
Power Derating Curve	refer to Application Note
Storage Temperature Range	- 40°C to +125°C
Dimensions.....	2.3 x 1.45 x 0.36 inches (58.4 x 36.8 x 9.2 mm)
Weight.....	50g

NOTE:

1. Measured From High Line to Low Line
2. Measured From Full Load to min. Load
3. Suffix "N" to the Model Number with Negative Logic Remote ON/OFF
Module ON.....<1.2VDC
Module OFF.....Open Circuit or Logic High
4. The output ripple and noise is measured with 10uF tantalum and 1uF Ceramic capacitor across output.

SIZE QB

All Dimensions In Inches(mm)
Tolerance :xx ±.02 (.x ±0.5)
.xxx ±.010 (.xx ±0.25)



PIN CONNECTION

Pin	Function
1	+Vin
2	ON/OFF
3	-Vin
4	-Vout
5	-SENSE
6	Trim
7	+SENSE
8	+Vout