



CHB50-48S05-modify

DC-DC CONVERTER

All Specifications are Typical at Nominal Line, Full load, and 25°C Unless Otherwise Noted

OUTPUT SPECIFICATIONS

VOLTAGE/CURRENT	Vo1=5V/5A, Vo2=12V/1.5A
VOLTAGE ACCURACY.....	Vo1 2.0% max.
	Vo2..... 3.0% max.
RIPPLE AND NOISE, 20MHz BW	30mV RMS, max.
	100mVpk-Pk, max.
LINE REGULATION (SEE NOTE 1)	1.0%max.
LOAD REGULATION (SEE NOTE 2)	5.0%max.
SHORT CIRCUIT PROTECTION	CONTINUOUS

INPUT SPECIFICATIONS

INPUT VOLTAGE RANGE	48V	36 - 75Vdc
POSITIVE LOGIC REMOTE ON/OFF CONTROL	MODULE OFF-----	< 0.8 Vdc
	MODULE ON-----	OPEN CIRCUIT
INPUT FILTER	Pi Network	

GENERAL SPECIFICATIONS

EFFICIENCY.....	82% TYP.
ISOLATION VOLTAGE	1500Vdc min.
SWITCHING FREQUENCY	300KHz Typ.

ENVIRONMENTAL SPECIFICATIONS

OPERATING CASE TEMPERATURE RANGE	-40 TO +100
STORAGE TEMPERATURE RANGE.....	-55 TO +105
STORAGE TEMPERATURE RANGE	-40 TO +110

PHYSICAL CHARACTERISTICS

DIMENSIONS.....	2.28 2.40 0.50 INCHES (57.9 × 61.0 × 12.7 mm)
EMI/RFI	Five-Sided Continuous Shield
CASE MATERIAL	Aluminum

NOTE:

1. LINE REGULATION: MEASURED FROM HIGH LINE TO LOW LINE
2. LOAD REGULATION: MEASURED FROM FULL LOAD TO 1/4 LOAD
3. THE OUTPUT NOISE IS MEASURED WITH 1UF CERAMIC CAPACITOR ACROSS OUTPUT

CASE HB

All dimensions In Inches (mm)

