

CTC ENGINEERING BULLETIN

DC-DC CONVERTERS APPROVAL DATA SHEET

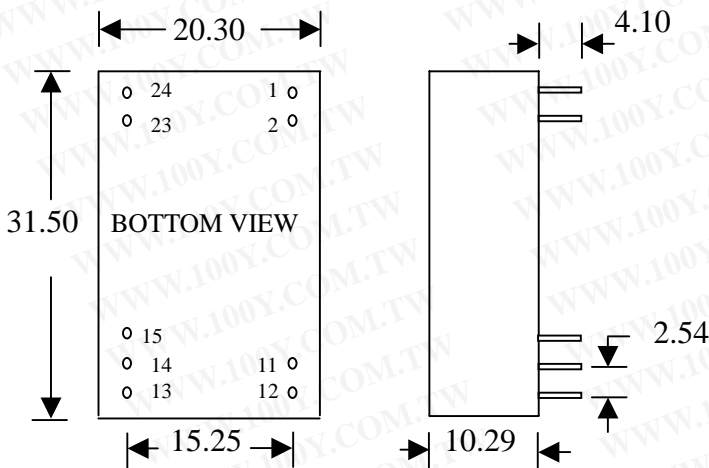
CTC P/N: B2HU-0512D INPUT 5VDC OUTPUT ±12VDC LOAD CURRENT ±84mA

2W UNREGULATED DUAL 24 PIN MINIATURE DC-DC CONVERTERS

ELECTRICAL SPECIFICATIONS : @25°C FULL LOAD

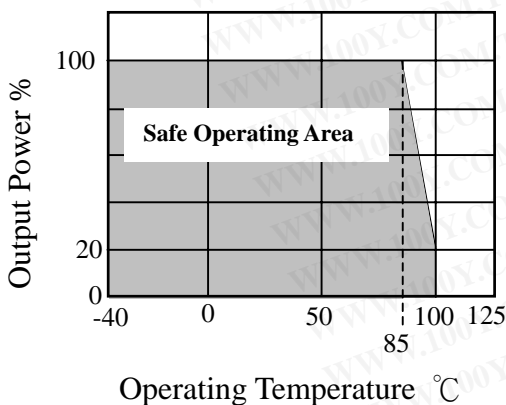
- 1-1 INPUT VOLTAGE RANGE ----- 5 VDC ±10 %
- 1-2 OUTPUT VOLTAGE @ VIN=5.0VDC, Io=±84mA ----- ±12 VDC ±4 %
- 1-3 OUTPUT CURRENT ----- ±84mA max.
- 1-4 EFFICIENCY AT FULL LOAD ----- 70% min./ 78% typ.
- 1-5 OPERATING FREQUENCY ----- 20KHz min./55KHz typ.
- 1-6 OUTPUT RIPPLE/NOISE @20MHz BW ----- ±100mV max.
- 1-7 LINE VOLTAGE REGULATION ----- 1.2%typ./1% of Vin
- 1-8 LOAD VOLTAGE REGULATION (20%~100%LOAD) ----- 10% max. 6% typ.
- 1-9 ISOLATION VOLTAGE ----- 8000 VDC/1 min.
- 1-10 SHORT CIRCUIT PROTECTION ----- 1.0 Second
- 1-11 OPERATING TEMPERATURE RANGE ----- -40°C to +85°C
- 1-12 STORAGE TEMPERATURE RANGE ----- -55°C to +125°C

Mechanical Specifications:



PIN NO	FUNCTION
PIN 1 , 2	+ VIN
PIN11 , 12	+ VOUT
PIN 13 , 14	COM.
PIN 15	- VOUT
PIN 23 , 24	- VIN

Derating Curve



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UNIT : mm
TOL. : ±0.25mm