

# CTC COIL TECHNOLOGY CORPORATION

## DC CONVERTER B3U-XXXXDC SERIES 3W DUAL OUTPUT

### Features:

- 3 watts DIP 24 package.
- High isolation 5000Vdc
- Dual output.

### ELECTRICAL SPECIFICATIONS: UNREGULATED

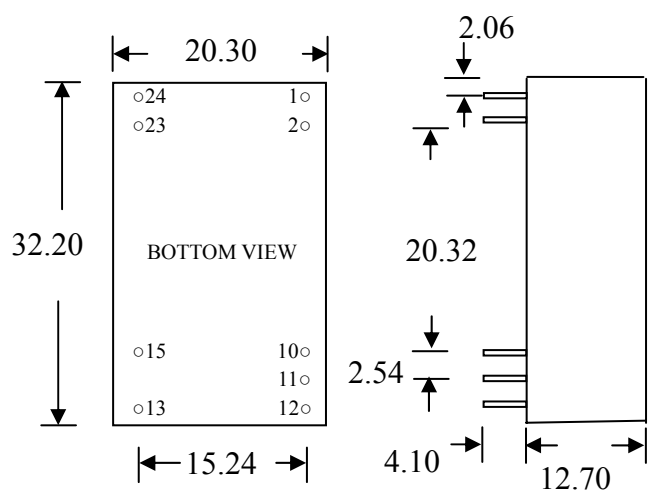
- Input voltage range -----  $\pm 10\%$
- Output voltage accuracy -----  $\pm 5\%$
- Rated power ----- 3 Watts Max.
- Isolation voltage ----- 2000Vdc Min.
- Ripple&noise/20MHZ BW -----  $\pm 100\text{mV P-P Max.}$
- Line regulation ----- 1.2%Typ./1% of Vin
- Load regulation (10% ~ 100%) -----  $\pm 10\%$
- Operating frequency ----- 50KHz Min.
- Operating temperature range -----  $-40^{\circ}\text{C to }75^{\circ}\text{C}$
- Storage temperature range -----  $-55^{\circ}\text{C to }125^{\circ}\text{C}$
- Efficiency ----- 70% Min.
- Isolation resistance----- 10G
- Isolation capacitance----- 27pF Typ.



**\*Note : add/H after P/N for isolation 5000Vdc**

Selection Guide			
Part Number	Input Voltage (VDC)	Output Voltage (VDC)	Output Current (mA)
B3U-0505DC	5	$\pm 5$	$\pm 300$
B3U-0509DC	5	$\pm 9$	$\pm 167$
B3U-0512DC	5	$\pm 12$	$\pm 125$
B3U-0515DC	5	$\pm 15$	$\pm 100$
B3U-1205DC	12	$\pm 5$	$\pm 300$
B3U-1209DC	12	$\pm 9$	$\pm 167$
B3U-1212DC	12	$\pm 12$	$\pm 125$
B3U-1215DC	12	$\pm 15$	$\pm 100$
B3U-2405DC	24	$\pm 5$	$\pm 300$
B3U-2409DC	24	$\pm 9$	$\pm 167$
B3U-2412DC	24	$\pm 12$	$\pm 125$
B3U-2415DC	24	$\pm 15$	$\pm 100$

## Package Style And Pinning (mm)



PIN	FUNCTION
1,2	+VIN
10,11	COM.
12	NC
13	-VOUT
15	+VOUT
23,24	-VIN

UNIT : mm  
 XX.X±0.5mm  
 XX.XX±0.25mm