

# CTC COIL TECHNOLOGY CORPORATION

## DC/DC CONVERTER B3U-XXXXDA SERIES 3W DUAL OUTPUT

### Features:

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

### ELECTRICAL SPECIFICATIONS: UNREGULATED

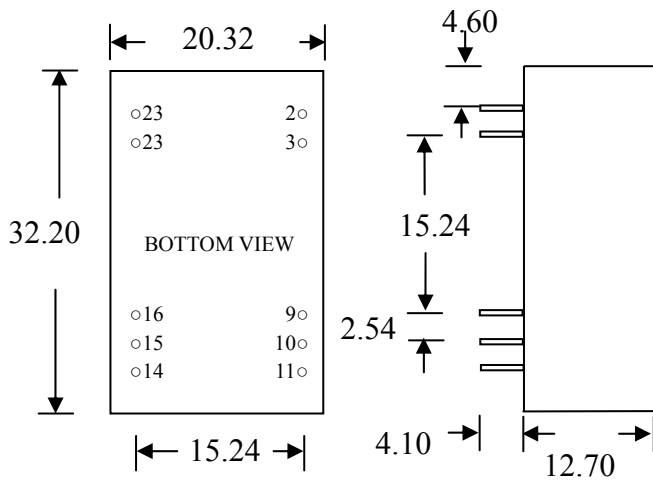
- Input voltage range -----  $\pm 10\%$
- Output voltage accuracy -----  $\pm 5\%$
- Rated power ----- 3 Watts Max.
- Isolation voltage ----- 2000 Vdc Min.
- Ripple&noise/20MHZ BW -----  $\pm 100\text{mV P-P Max.}$
- Line regulation ----- 1.2%Typ./1% of Vin
- Load regulation (10% ~ 100%) -----  $\pm 10\%$
- 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-0505DA      | 5                   | $\pm 5$              | $\pm 300$           |
| B3U-0509DA      | 5                   | $\pm 9$              | $\pm 167$           |
| B3U-0512DA      | 5                   | $\pm 12$             | $\pm 125$           |
| B3U-0515DA      | 5                   | $\pm 15$             | $\pm 100$           |
| B3U-1205DA      | 12                  | $\pm 5$              | $\pm 300$           |
| B3U-1209DA      | 12                  | $\pm 9$              | $\pm 167$           |
| B3U-1212DA      | 12                  | $\pm 12$             | $\pm 125$           |
| B3U-1215DA      | 12                  | $\pm 15$             | $\pm 100$           |
| B3U-2405DA      | 24                  | $\pm 5$              | $\pm 300$           |
| B3U-2409DA      | 24                  | $\pm 9$              | $\pm 167$           |
| B3U-2412DA      | 24                  | $\pm 12$             | $\pm 125$           |
| B3U-2415DA      | 24                  | $\pm 15$             | $\pm 100$           |

# Package Style And Pinning (mm)



| PIN   | FUNCTION |
|-------|----------|
| 2,3   | -VIN     |
| 9,16  | COM.     |
| 10,15 | NC       |
| 11    | -VOUT    |
| 14    | +VOUT    |
| 22,23 | +VIN     |

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