

# CTC COIL TECHNOLOGY CORPORATION

## DC/DC CONVERTER B2.2U-XXXXDC SERIES 2.2W DUAL OUTPUT

### Features:

- 2.2 Watts DIP 24 package.
- High isolation 5000Vdc
- Dual output.

### ELECTRICAL SPECIFICATIONS: UNREGULATED

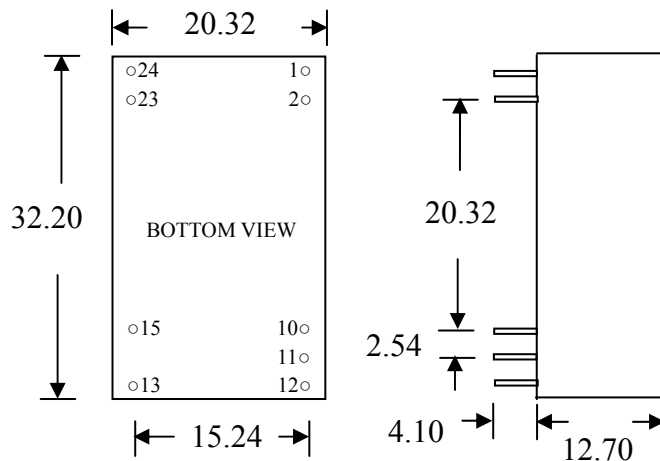
- Input voltage range -----  $\pm 10\%$
- Output voltage accuracy -----  $\pm 5\%$
- Rated power ----- 2.2 Watts Max.
- Isolation voltage ----- 2000Vdc Min.
- Ripple&noise/20MHZ BW -----  $\pm 100\text{mV P-P Max.}$
- Line regulation ----- 1.2%Typ./1%Of Vin
- Load regulation (10% ~ 100% load)-----  $\pm 10\%$
- 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  $\Omega$
- Isolation capacity ----- 22pF Typ.



Note : Add/H after P/N for isolation 5000Vdc



### 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 $\pm$ 0.5mm  
 XX.XX $\pm$ 0.25mm

### Selection Guide

| Part Number  | Input Voltage (VDC) | Output Voltage (VDC) | Output Current (mA) |
|--------------|---------------------|----------------------|---------------------|
| B2.2U-XX05DC | 5,12,15,24          | $\pm 5$              | $\pm 200$           |
| B2.2U-XX09DC | 5,12,15,24          | $\pm 9$              | $\pm 122$           |
| B2.2U-XX12DC | 5,12,15,24          | $\pm 12$             | $\pm 90$            |
| B2.2U-XX15DC | 5,12,15,24          | $\pm 15$             | $\pm 75$            |