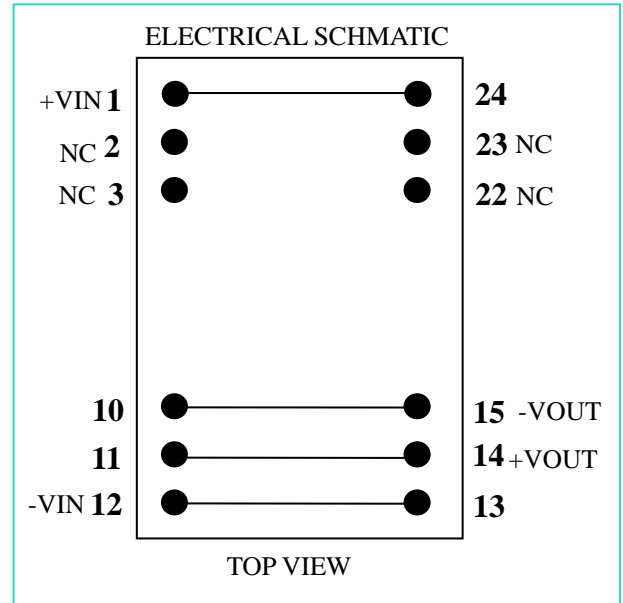


# CTC COIL TECHNOLOGY CORPORATION

## DC/DC CONVERTER B1.8R-XXXXS SERIES 1.8W DUAL OUTPUT

### ELECTRICAL SPECIFICATIONS: REGULATED

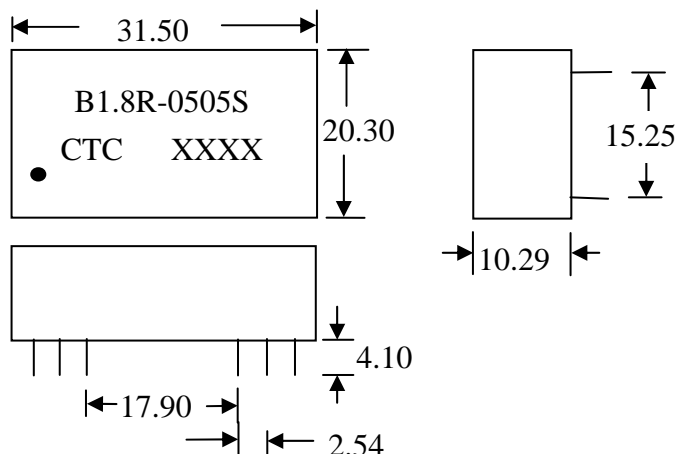
- Input voltage range -----  $\pm 10\%$
- Output voltage accuracy -----  $\pm 5\%$
- Output power----- 1.8W Max.
- Efficiency at full load----- 50% Min.
- Isolation voltage----- 500Vdc Min.
- Ripple&noise/20MHZ BW ----- 100mV P-P Max.
- Line regulation -----  $\pm 0.5\%$
- Load regulation -----  $\pm 0.5\%$
- Operating frequency----- 20KHz Min.
- Short circuit protection----- Short Term
- Operating temperature range -----  $-25^{\circ}\text{C}$  to  $70^{\circ}\text{C}$
- Storage temperature range -----  $-55^{\circ}\text{C}$  to  $125^{\circ}\text{C}$
- \*Internal fused protection----- See Note



### Selection Guide

Part Number	Input Voltage (VDC)	Output Voltage (VDC)	Output Current (mA)	Efficiency (%)
B1.8R-0505S	5	5	360	55
B1.8R-0512S	5	12	150	60
B1.8R-0515S	5	15	120	65
B1.8R-1205S	12	5	360	55
B1.8R-1212S	12	12	150	60
B1.8R-1215S	12	15	120	65
B1.8R-2405S	24	5	360	55
B1.8R-2412S	24	12	150	60
B1.8R-2415S	24	15	120	65

### Package Style And Pinning (mm)



PIN	FUNCTION
1,24	+VIN
2,23	NC
3,22	NC
10,15	-VOUT
11,14	+VOUT
12,13	-VIN

\*LEAD WIRE = 0.51 TYP.  
TOL. :  $\pm 0.25\text{mm}$   
UNIT : mm