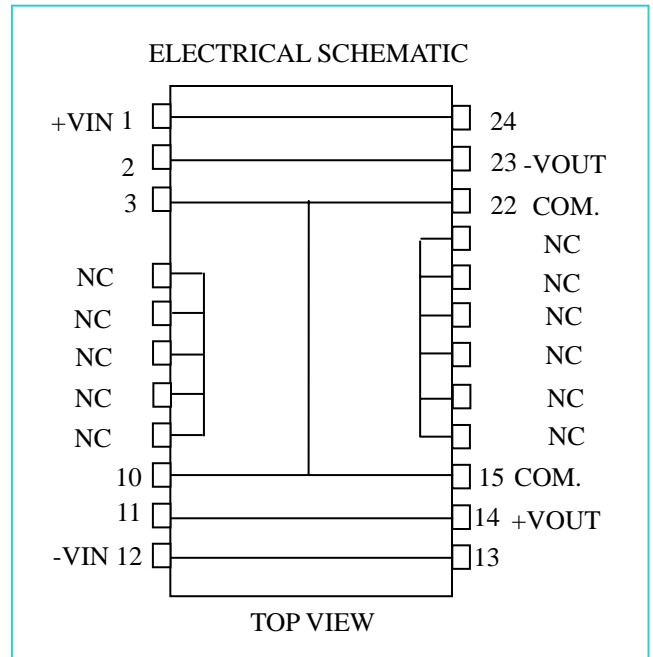


# CTC COIL TECHNOLOGY CORPORATION

## DC/DC CONVERTER A1.8R-XXXXD SERIES 1.8W DUAL OUTPUT

### ELECTRICAL SPECIFICATIONS: REGULATED

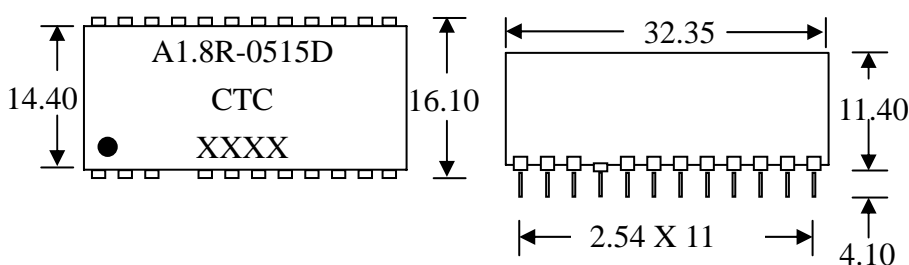
- Input voltage range -----  $\pm 10\%$
- Output voltage accuracy -----  $\pm 5\%$
- Output power----- 1.8W Max.
- Efficiency at full load----- 52% Min
- Isolation voltage----- 500Vdc Min.
- Ripple&noise/20MHZ BW -----  $\pm 100\text{mV P-P Max.}$
- Line regulation -----  $\pm 0.5\%$
- Load regulation -----  $\pm 0.5\%$
- Operating Frequency----- 20KHz Min.
- Short circuit protection----- Short Term
- Operating temperature range ---  $-25^{\circ}\text{C to } 70^{\circ}\text{C}$
- Storage temperature range -----  $-55^{\circ}\text{C to } 125^{\circ}\text{C}$
- Isolation resistance -----  $10\text{G}\Omega$
- Isolation capacity -----  $63\text{pF Typ.}$
- Package weight----- 9.6g



### Selection Guide

Part Number	Input Voltage (VDC)	Output Voltage (VDC)	Output Current (mA)	Efficiency (%)
A1.8R-0505D	5	$\pm 5$	$\pm 100$	52
A1.8R-0509D	5	$\pm 9$	$\pm 100$	58
A1.8R-0512D	5	$\pm 12$	$\pm 75$	60
A1.8R-0515D	5	$\pm 15$	$\pm 60$	62
A1.8R-1205D	12	$\pm 5$	$\pm 100$	52
A1.8R-1209D	12	$\pm 9$	$\pm 100$	58
A1.8R-1212D	12	$\pm 12$	$\pm 75$	60
A1.8R-1215D	12	$\pm 15$	$\pm 60$	62
A1.8R-2405D	24	$\pm 5$	$\pm 100$	52
A1.8R-2409D	24	$\pm 9$	$\pm 100$	58
A1.8R-2412D	24	$\pm 12$	$\pm 75$	60
A1.8R-2415D	24	$\pm 15$	$\pm 60$	62

### Package Style And Pinning (mm)



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

TOL. :  $\pm 0.25\text{mm}$

UNIT : mm