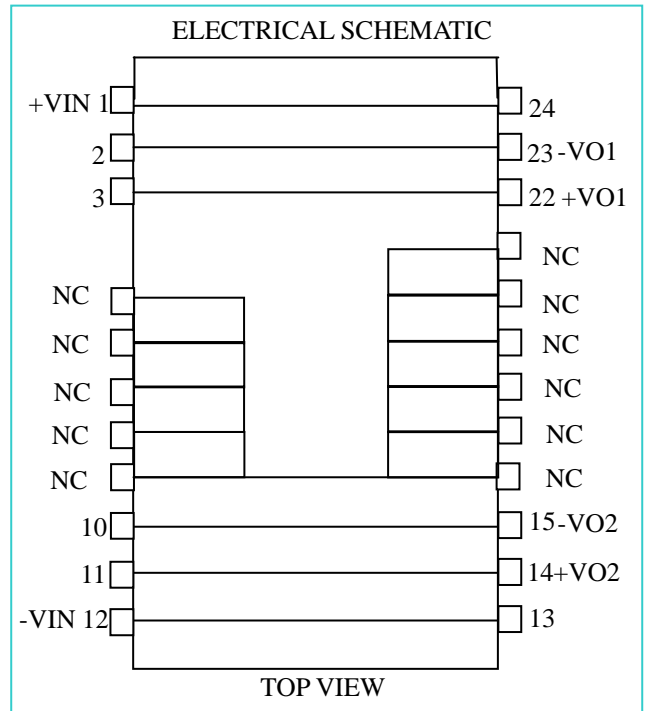


CTC COIL TECHNOLOGY CORPORATION

DC/DC CONVERTER A1.8RI-XXXX SERIES 1.8W DUAL OUTPUT

ELECTRICAL SPECIFICATIONS:REGULATED

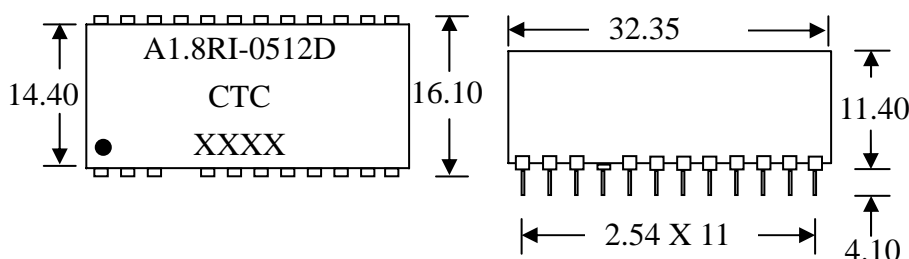
- Input voltage range ----- $\pm 10\%$
- Output voltage accuracy ----- $\pm 5\%$
- Output power----- 1.8W Max.
- Efficiency at full load----- 50% Min.
- Isolation voltage----- 500Vdc Min.
- Ripple&noise/20MHZ BW ----- $\pm 100\text{mV P-P Max.}$
- Line regulation ----- $\pm 0.5\%$
- Load regulation ----- $\pm 0.5\%$
- 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 ----- 10G Ω
- Isolation capacity ----- 70pF Typ.
- Package weight----- 9.6g



Selection Guide

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

Package Style And Pinning (mm)



PIN	FUNCTION
1,24	+VIN
2,23	-VO1
3,22	+VO1
10,15	-VO2
11,14	+VO2
12,13	-VIN

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

UNIT : mm