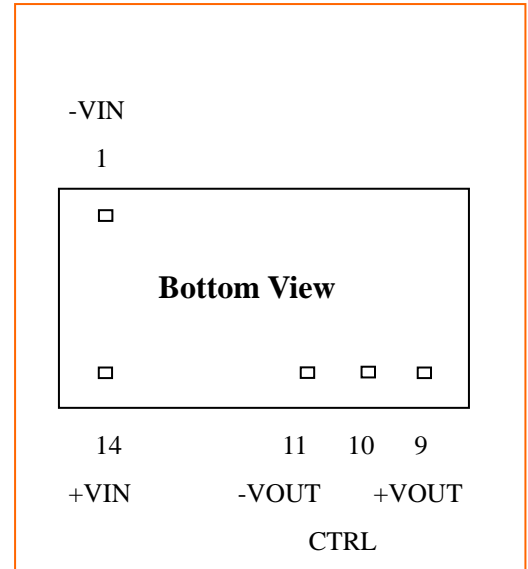


CTC COIL TECHNOLOGY CORPORATION

DC/DC CONVERTER MDR-XXXX SERIES 1W SINGLE OUTPUT

ELECTRICAL SPECIFICATIONS: REGULATED

- Input voltage range ----- $\pm 5\%$
- Input voltage range (option)----- Capacitor
- Output voltage accuracy ----- $\pm 5\%$
- Line voltage regulation ----- 1.0% Max.
- Load voltage regulation ----- 1.0% Max.
- Ripple&noise/20MHZ BW ----- 100mV P-P Max.
- Efficiency at full load----- 50% Min.
- Isolation voltage----- 1000 Vdc Min.
- Short circuit protection ----- 1.0 Second
- Operating temperature range ----- -25°C to 71°C
- Storage temperature range ----- -55°C to 125°C
- Isolation resistance ----- 10G Ω Min.
- Isolation capacity ----- 70pF Typ.
- Package weight----- 2.9g



*Note:

1. Output Voltage= Rate at "CTRL"="HIGH"
2. Output Voltage= Rate at "CTRL"="NC"
3. Output Voltage= 1.25V at "CTRL"="LOW"

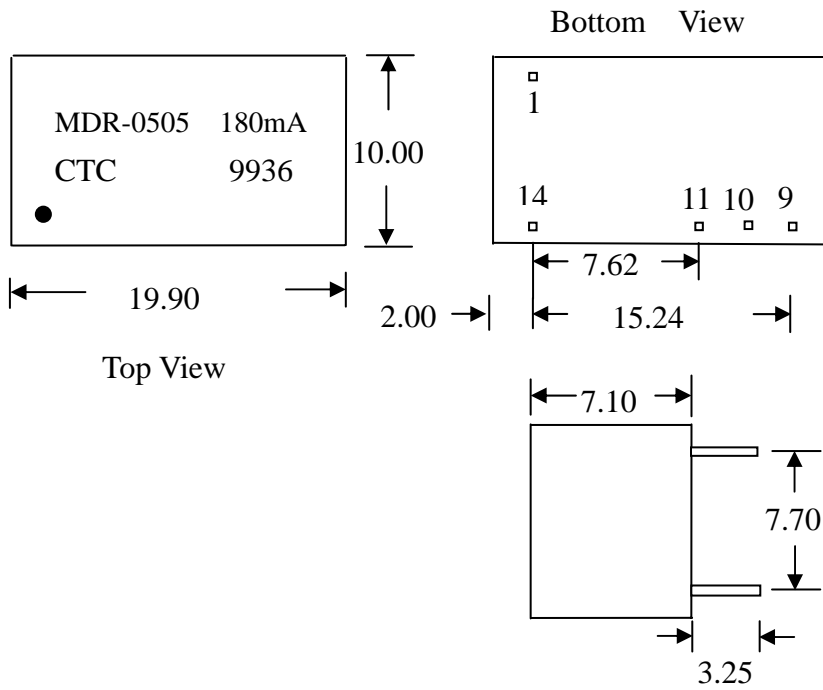


Note : Add/T after P/N for input voltage----- $\pm 10\%$

Selection Guide

Part Number	Input Voltage (VDC)	Output Voltage (VDC)	Output Current (mA)	Efficiency (%)
MDR-0505/1	5	5	100	50
MDR-0505	5	5	200	54
MDR-0509	5	9	111	56
MDR-0512	5	12	84	60
MDR-0515	5	15	66	62
MDR-1205	12	5	180	56
MDR-1209	12	9	111	56
MDR-1212	12	12	84	62
MDR-1215	12	15	66	64
MDR-1505	15	5	180	58
MDR-1509	15	9	111	58
MDR-1512	15	12	84	64
MDR-1515	15	15	66	66
MDR-2405	24	5	180	60
MDR-2409	24	9	111	60
MDR-2412	24	12	84	66
MDR-2415	24	15	66	68

Package Style And Pinning (mm)



PIN	FUNCTION
1	-VIN
9	+VOUT
10	CTRL
11	-VOUT
14	+VIN

*Note : Terminal ----- 0.51 X 0.25 Flat Pin
TOL. : ±0.25mm
UNIT : mm