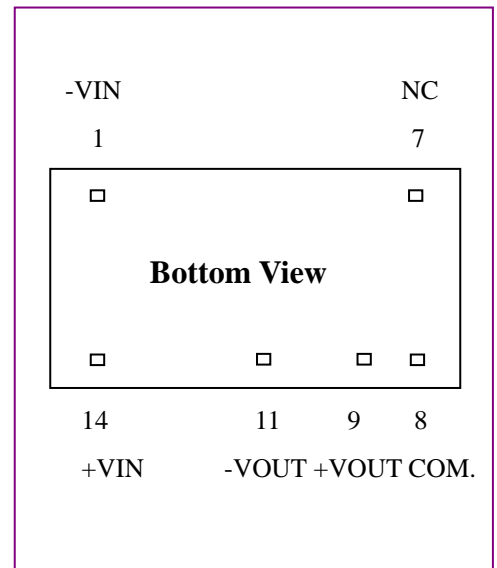


# CTC COIL TECHNOLOGY CORPORATION

## DC/DC CONVERTER MDH-XXXXD SERIES 2W DUAL OUTPUT

### ELECTRICAL SPECIFICATIONS: UNREGULATED

- Input voltage range -----  $\pm 10\%$
- Input filter----- Capacitor.
- Output voltage accuracy -----  $\pm 5\%$
- Line voltage regulation ----- 1.2%Typ./1%Of Vin
- Load voltage regulation (10% ~ 100%)-  
5V Output Types----- 15% Max.  
9V,12V and 15V Output Types----- 10% Max.
- Ripple&noise/20MHZ BW -----  $\pm 150\text{mV P-P Max.}$
- Efficiency at full load----- 70% Min.
- Isolation voltage ----- 1000 Vdc Min.
- Short circuit protection ----- 1.0 Second
- Operating temperature range -----  $-40^{\circ}\text{C to }85^{\circ}\text{C}$
- Storage temperature range -----  $-55^{\circ}\text{C to }125^{\circ}\text{C}$
- Isolation resistance ----- 216G  $\Omega$
- Isolation capacity ----- 56pF Typ.
- Package weight----- 2.8g

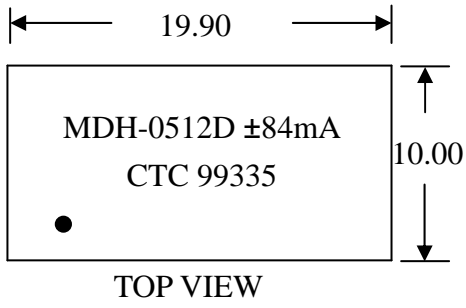


Note: Measured @ 25 With The Condition of Vin = Nominal And Full Load.

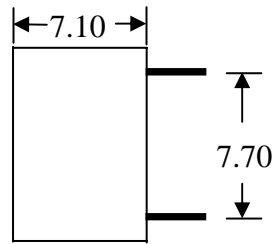
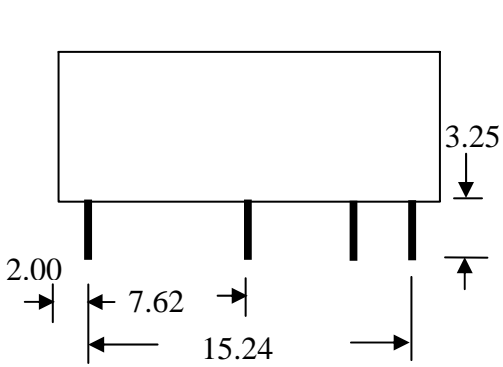
**Note: Add/H after P/N for isolation 2000Vdc**

Selection Guide				
Model Number	Input Voltage (VDC)	Output Voltage (VDC)	Output Current (mA)	Efficiency (%)
MDH-0505D	5	$\pm 5$	$\pm 200$	70
MDH-0509D	5	$\pm 9$	$\pm 111$	75
MDH-0512D	5	$\pm 12$	$\pm 84$	78
MDH-0515D	5	$\pm 15$	$\pm 66$	80
MDH-1205D	12	$\pm 5$	$\pm 200$	74
MDH-1209D	12	$\pm 9$	$\pm 111$	75
MDH-1212D	12	$\pm 12$	$\pm 84$	80
MDH-1215D	12	$\pm 15$	$\pm 66$	82
MDH-1505D	15	$\pm 5$	$\pm 200$	70
MDH-1509D	15	$\pm 9$	$\pm 111$	75
MDH-1512D	15	$\pm 12$	$\pm 84$	80
MDH-1515D	15	$\pm 15$	$\pm 66$	82
MDH-2405D	24	$\pm 5$	$\pm 200$	75
MDH-2409D	24	$\pm 9$	$\pm 111$	78
MDH-2412D	24	$\pm 12$	$\pm 84$	80
MDH-2415D	24	$\pm 15$	$\pm 66$	82

# Package Style And Pinning (mm)



PIN	FUNCTION
1	-VIN
7	NC
8	COM.
9	+VOUT
11	-VOUT
14	+VIN



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