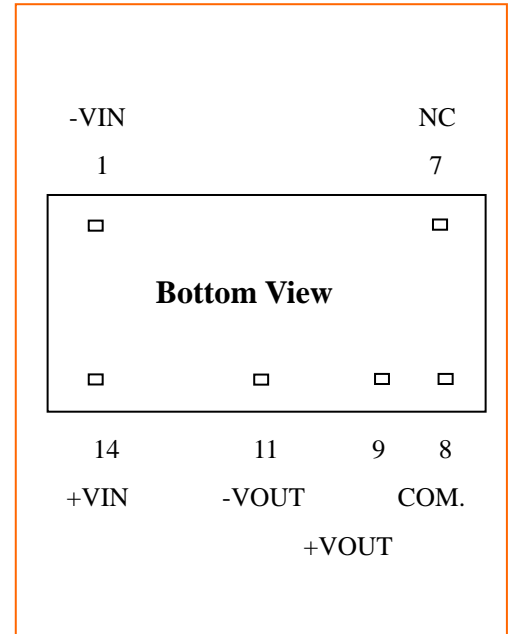


CTC COIL TECHNOLOGY CORPORATION

DC/DC CONVERTER MD-XXXXD SERIES 1W 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 ----- $\pm 75\text{mV P-P Max.}$
- 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 ----- 10G Ω Min.
- Isolation capacity ----- 75pF Typ.
- Package weight----- 2.6g



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

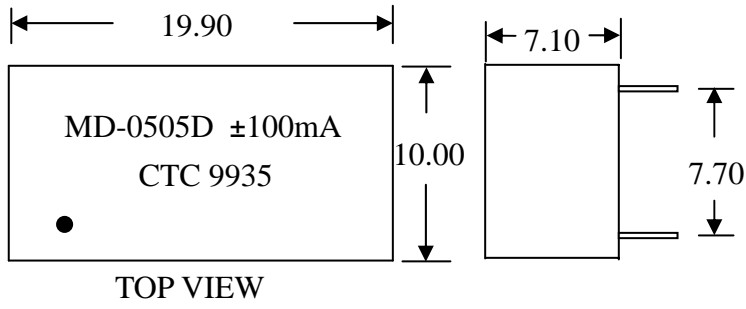


Note: 1. Add/H after P/N for isolation 2000Vdc

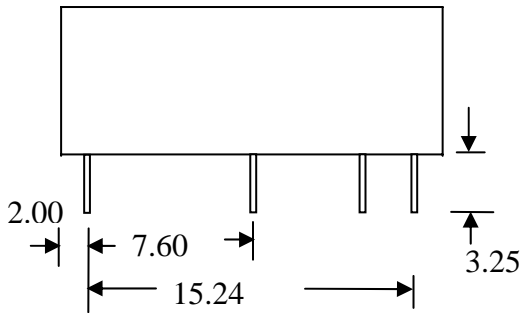
Selection Guide

| Model Number | Input Voltage (VDC) | Output Voltage (VDC) | Output Current (mA) | Efficiency(%) |
|--------------|----------------------|----------------------|---------------------|---------------|
| MD-XX1.8D | 1.8,3.3,5,9,12,15,24 | ± 1.8 | ± 278 | 70 |
| MD-XX3.3D | 1.8,3.3,5,9,12,15,24 | ± 3.3 | ± 152 | 70 |
| MD-XX05D | 1.8,3.3,5,9,12,15,24 | ± 5 | ± 100 | 70 |
| MD-XX09D | 1.8,3.3,5,9,12,15,24 | ± 9 | ± 55 | 75 |
| MD-XX12D | 1.8,3.3,5,9,12,15,24 | ± 12 | ± 42 | 78 |
| MD-XX15D | 1.8,3.3,5,9,12,15,24 | ± 15 | ± 33 | 80 |
| MD-XX24D | 1.8,3.3,5,9,12,15,24 | ± 24 | ± 21 | 80 |

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