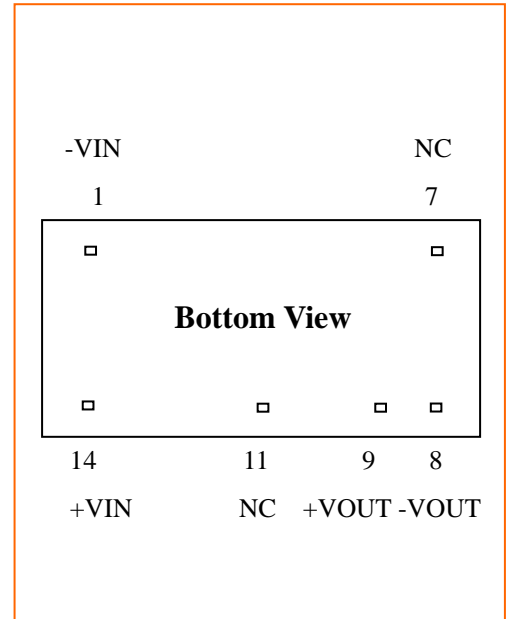


CTC COIL TECHNOLOGY CORPORATION

DC/DC CONVERTER MD-XXXX SERIES 1W SINGLE 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 ----- 100mV P-P Max.
- Efficiency at full load----- 70% Min.
- Isolation voltage ----- 1000 Vdc Min.
- Short circuit protection ----- 1.0 Second
- Operating temperature range ----- -40°C to 85°C
- Storage temperature range ----- -55°C to 125°C
- Isolation resistance ----- 10G Ω Min.
- Isolation capacity ----- 75pF Typ.
- Package weight----- 2.6g



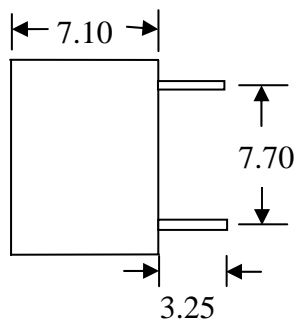
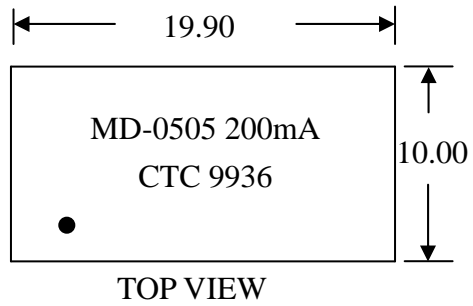
*Note: Measured @ 25 With The Condition of Vin = Nominal And Full Load.



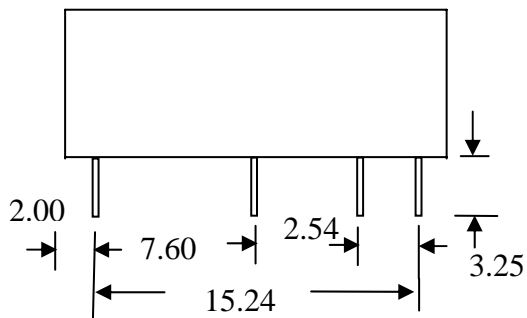
Note: Add/H after P/N for isolation 2000Vdc

| Selection Guide | | | | |
|-----------------|----------------------|----------------------|---------------------|----------------|
| Model Number | Input Voltage (VDC) | Output Voltage (VDC) | Output Current (mA) | Efficiency (%) |
| MD-XX1.8 | 1.8,3.3,5,9,12,15,24 | 1.8 | 555 | 68 |
| MD-XX3.3 | 1.8,3.3,5,9,12,15,24 | 3.3 | 300 | 68 |
| MD-XX05 | 1.8,3.3,5,9,12,15,24 | 5 | 200 | 70 |
| MD-XX09 | 1.8,3.3,5,9,12,15,24 | 9 | 111 | 75 |
| MD-XX12 | 1.8,3.3,5,9,12,15,24 | 12 | 84 | 78 |
| MD-XX15 | 1.8,3.3,5,9,12,15,24 | 15 | 66 | 80 |
| MD-XX24 | 1.8,3.3,5,9,12,15,24 | 24 | 42 | 70 |

Package Style And Pinning (mm)



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



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