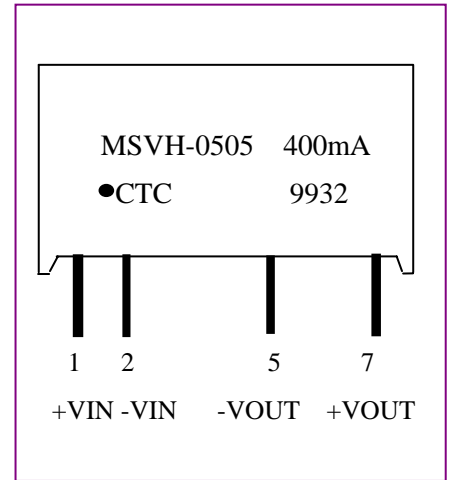


# CTC COIL TECHNOLOGY CORPORATION

## DC/DC CONVERTER MSVH-XXXX SERIES 2W 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 ----- 150mV 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 ----- 15G  $\Omega$
- Isolation capacity ----- 45pF Typ.
- Package weight----- 2.8g
- Meet CE EN-60950-1 Certified、 CE  
EN-60601-1 Certified



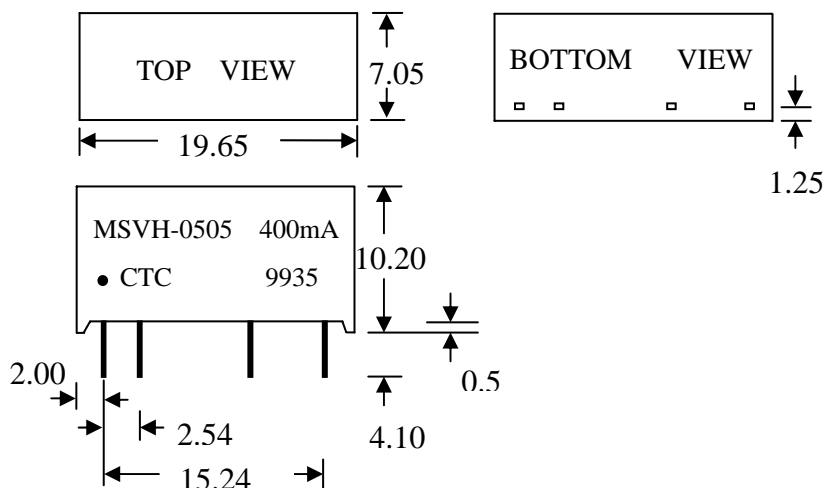
Note: Measured @ 25 With The Condition of  
Vin = Nominal And Full Load.

**Note: Add/H after P/N for isolation 4KVdc**

### Selection Guide

Model Number	Input Voltage (VDC)	Output Voltage (VDC)	Output Current (mA)	Efficiency (%)
MSVH-XX3.3	5,9,12,15,24	3.3	606	72
MSVH-XX05	5,9,12,15,24	5	400	72
MSVH-XX09	5,9,12,15,24	9	222	72
MSVH-XX12	5,9,12,15,24	12	166	75
MSVH-XX15	5,9,12,15,24	15	133	78
MSVH-XX24	5,9,12,15,24	24	83	80

### Package Style And Pinning (mm)



PIN	FUNCTION
1	+VIN
2	-VIN
5	-VOUT
7	+VOUT

\*Note : Terminal-----0.51X0.25 Flat Pin

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