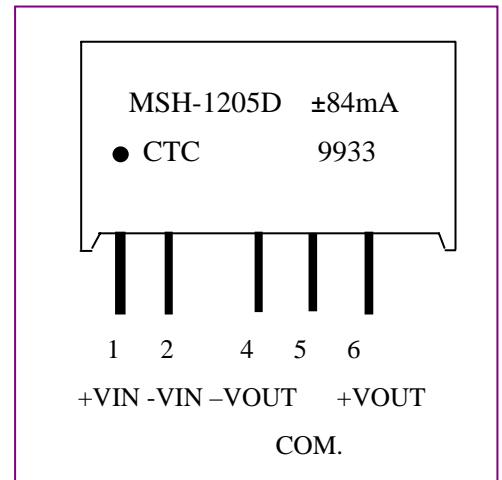


CTC COIL TECHNOLOGY CORPORATION

DC/DC CONVERTER MSH-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 ----- 10G Ω
- Isolation capacity ----- 27pF Typ.
- Package weight----- 2.8g



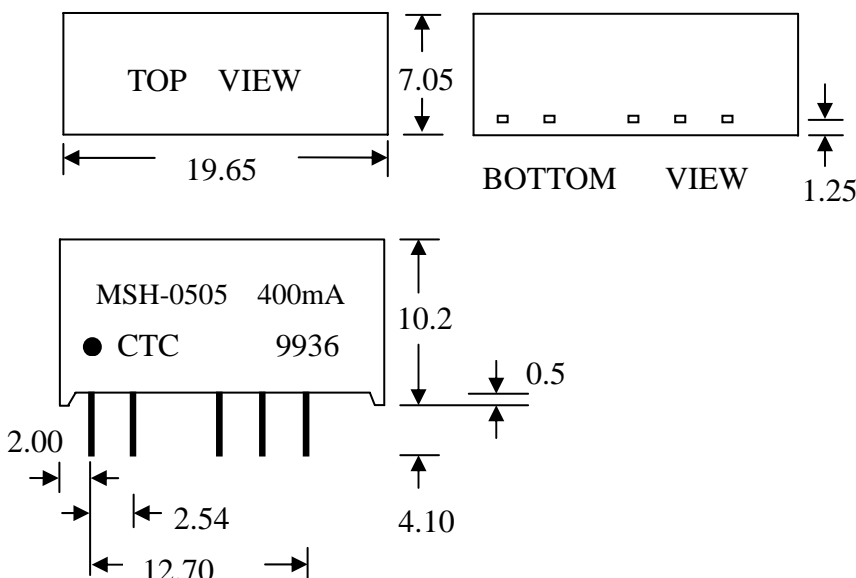
Note: Measured @ 25 With The Condition of Vin = Nominal And Full Load.

Note: 1. Add/H3 after P/N for isolation 3KVdc

Selection Guide

Model Number	Input Voltage (VDC)	Output Voltage (VDC)	Output Current (mA)	Efficiency (%)
MSH-XX3.3D	5,9,12,15,24	± 3.3	± 303	70
MSH-XX05D	5,9,12,15,24	± 5	± 200	74
MSH-XX09D	5,9,12,15,24	± 9	± 111	75
MSH-XX12D	5,9,12,15,24	± 12	± 83	78
MSH-XX15D	5,9,12,15,24	± 15	± 66	80
MSH-XX24D	5,9,12,15,24	± 24	± 42	82

Package Style And Pinning (mm)



PIN	FUNCTION
1	+VIN
2	-VIN
4	-VOUT
5	COM.
6	+VOUT

*Note : Terminal ----- 0.51 X 0.2 Flat Pin
TOL. : $\pm 0.25\text{mm}$
UNIT : mm