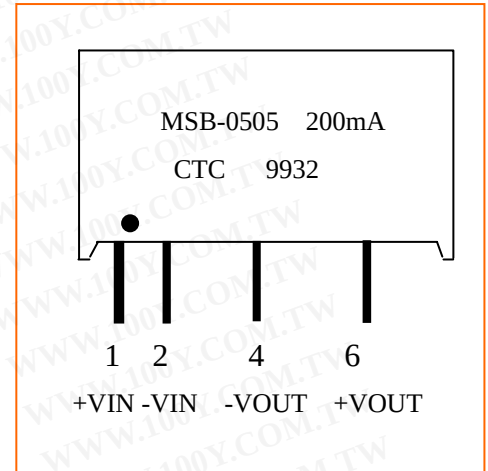


CTC COIL TECHNOLOGY CORPORATION

DC/DC CONVERTER MSB-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 ----- 1000Vdc/1sec.
- 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----- 2.2g



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

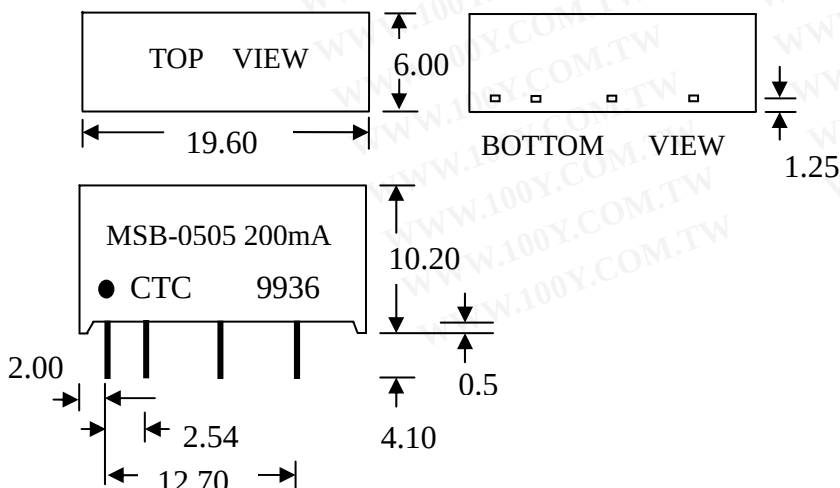
Note:1. Add H after P/N for isolation 2000Vdc

2. Isolation voltage 3000Vdc upon request

Selection Guide

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

Package Style And Pinning (mm)



PIN	FUNCTION
1	+VIN
2	-VIN
4	-VOUT
6	+VOUT

*Note : Terminal ----- 0.51 X 0.25 Flat Pin

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

UNIT : mm