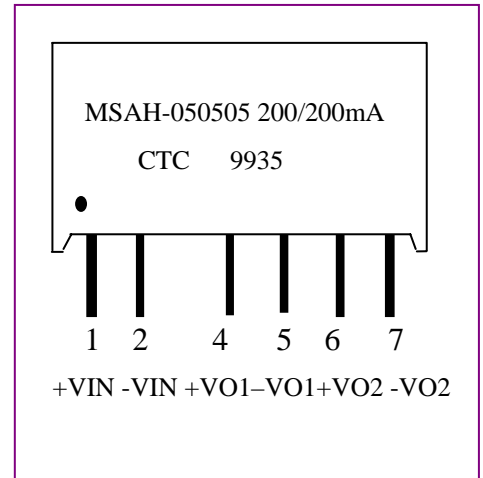


CTC COIL TECHNOLOGY CORPORATION

DC/DC CONVERTER MSAH-XXXXXX 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 ----- 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°C to 85°C
- Storage temperature range ----- -55°C to 125°C
- Isolation resistance ----- 10G Ω
- Isolation capacity ----- 56pF Typ.
- Package weight----- 2.9g

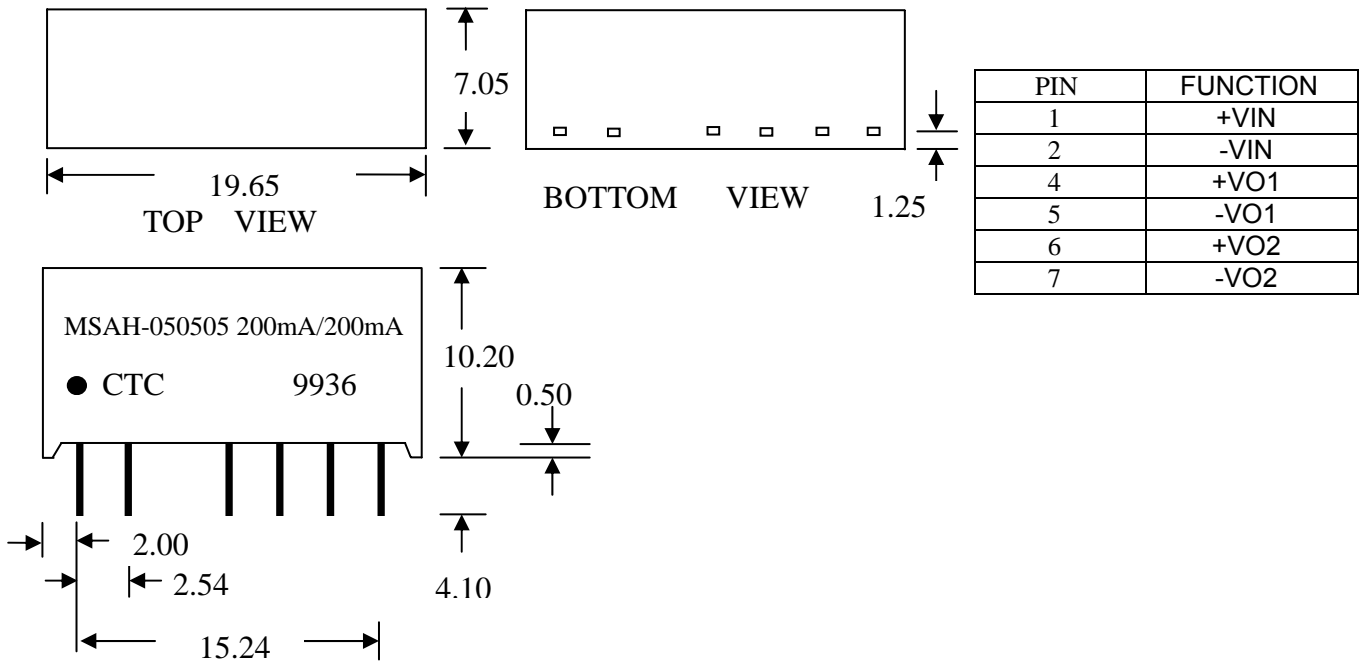


Note: Measured @ 25 With The Condition of Vin = Nominal And Full Load.

Note : They are also available for Vin=15Vdc and 24Vdc.

Selection Guide					
Model Number	Input Voltage (VDC)	Output VO1 Voltage (VDC)	Output VO2 Voltage (VDC)	Output VO1/VO2 Voltage (VDC)	Efficiency (%)
MSAH-050505	5	5	5	200/200	70
MSAH-050509	5	5	9	200/111	75
MSAH-050512	5	5	12	200/84	75
MSAH-050515	5	5	15	200/66	78
MSAH-050909	5	9	9	111/111	75
MSAH-051212	5	12	12	84/84	78
MSAH-051515	5	15	15	66/66	80
MSAH-120505	12	5	5	200/200	70
MSAH-120509	12	5	9	200/111	75
MSAH-120512	12	5	12	200/84	75
MSAH-120515	12	5	15	200/66	78
MSAH-120909	12	9	9	111/111	75
MSAH-121212	12	12	12	84/84	78
MSAH-121515	12	15	15	66/66	80

Package Style And Pinning (mm)



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