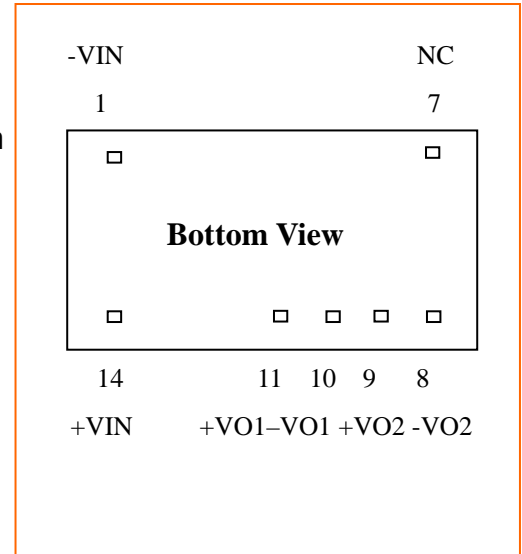


CTC COIL TECHNOLOGY CORPORATION

DC/DC CONVERTER MDA-XXXXXX SERIES 1W 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 ----- 75mV 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



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

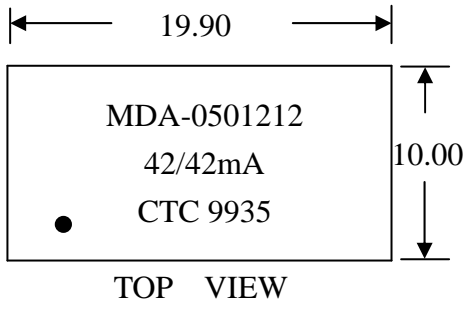


Note: They are also available for Vin = 15Vdc and 24Vdc

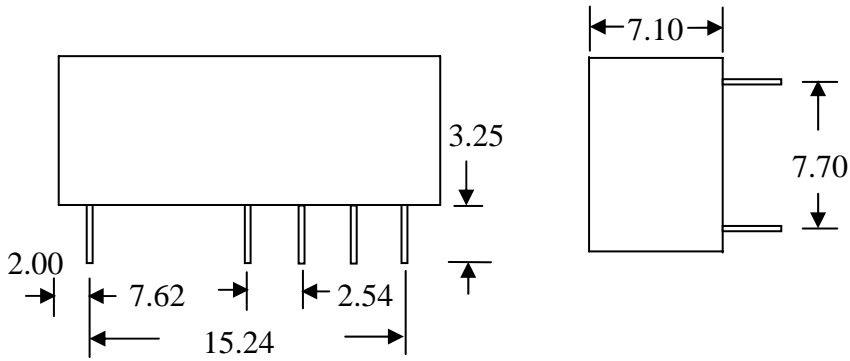
Selection Guide

Part Number	Input Voltage (VDC)	Output VO1 Voltage (VDC)	Output VO2 Voltage (VDC)	Output VO1/VO2 Current (mA)	Efficiency (%)
MDA-050503	5	5	3.3	100/152	70
MDA-050505	5	5	5	100/100	70
MDA-050509	5	5	9	100/55	75
MDA-050512	5	5	12	100/42	75
MDA-050515	5	5	15	100/33	78
MDA-050909	5	9	9	55/55	75
MDA-051212	5	12	12	42/42	78
MDA-051515	5	15	15	33/33	80
MDA-120503	12	5	3.3	100/152	70
MDA-120505	12	5	5	100/100	70
MDA-120509	12	5	9	100/55	75
MDA-120512	12	5	12	100/42	75
MDA-120515	12	5	15	100/33	78
MDA-120909	12	9	9	55/55	75
MDA-121212	12	12	12	42/42	78
MDA-121515	12	15	15	33/33	80

Package Style And Pinning (mm)



PIN	FUNCTION
1	-VIN
7	NC
8	-VO2
9	+VO2
10	-VO1
11	+VO1
14	+VIN



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