



COMMERCIAL

1 Watt / 2 Watt

Unregulated

Case style: DIP 14

DC/DC Converters

Series: MD14

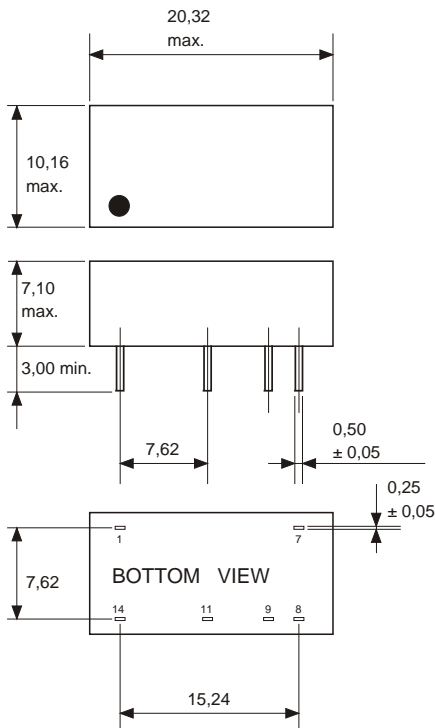
Electrical specifications:

Input voltage accuracy: +/- 10%
 Output voltage accuracy: +/- 10%
 Line regulation: +/- 1% / +/- 1%
 Load regulation: +/- 10%
 Efficiency: min. 70%
 Output Ripple & Noise: 1W: 50mVp-p
 2W: 150mVp-p

Short circuit protection: 1.0 second
 Operating temperature: -25°C to +85°C
 Isolation voltage: min. 1000V DC
 Isolation optional (Part-No. /H): min. 2kV DC for 1Watt Series
 Case material: black plastic

			1 Watt				1 Watt	2 Watt
Part - No. Single Output	Input Voltage	Output Voltage	Output Current	Part - No. Dual Output	Input Voltage	Output Voltage	Output Current	Output Current
MD14-0505 MD14-0512 MD14-0515	5V	5V 12V 15V	200mA 83mA 66mA	MD14-0505D MD14-0512D MD14-0515D	5V	+/- 5V +/-12V +/-15V	+/-100mA +/- 41mA +/- 33mA	+/-200mA +/- 83mA +/- 66mA
MD14-1205 MD14-1212 MD14-1215	12V	5V 12V 15V	200mA 83mA 66mA	MD14-1205D MD14-1212D MD14-1215D	12V	+/- 5V +/-12V +/-15V	+/-100mA +/- 41mA +/- 33mA	+/-200mA +/- 83mA +/- 66mA
MD14-1505 MD14-1512 MD14-1515	15V	5V 12V 15V	200mA 83mA 66mA	MD14-1505D MD14-1512D MD14-1515D	15V	+/- 5V +/-12V +/-15V	+/-100mA +/- 41mA +/- 33mA	+/-200mA +/- 83mA +/- 66mA
MD14-2405 MD14-2412 MD14-2415 MD14-2424	24V	5V 12V 15V 24V	200mA 83mA 66mA 41mA	MD14-2405D MD14-2412D MD14-2415D	24V	+/- 5V +/-12V +/-15V	+/-100mA +/- 41mA +/- 33mA	+/-200mA +/- 83mA +/- 66mA

Any other output voltages available



PIN CONNECTION:			
PIN	SINGLE	SINGLE A*	DUAL
1	- IN	+ IN	- IN
7	NC	+ Vout	NC
8	- Vout	- Vout	COM
9	+ Vout	NC	+ Vout
11	NC	NC	- Vout
14	+ IN	+ IN	+ IN

* For other pinning:
 Add "A" to the end of Partnumber.
 For example MD14-0505A 1Watt.

ALL DIMENSIONS IN MM
 Tolerance +/- 0.25mm
 All pins on a 2,54mm pitch.
 NC = No connection; NP = No pin

Note: Input and output capacitor
 4,7µF - 10µF recommended.
 Dot denotes pin 1

CAUTION: NO INPUT POLARITY CHANGE ALLOWED!