

Unregulated
Case style: DIP 8

COMMERCIAL-INDUSTRIAL 0,25 - 1,25 Watt DC/DC Converters Series: MD8

Electrical specifications:

Input voltage range: +/- 10%
optional: +/- 20% (Part-No. .../W)
Output voltage accuracy: +/- 5% **
Line Voltage regulation: +/- 1,2% / 1% of Vin typ.
Load Voltage regulation: 3,3V output type 20% max.
(10% to 100% full load) 5V output type 15% max.
9V ~ 24V output types 10% max.
Efficiency: up to 85%

** Note: Measured @25°C with the condition
of Vin = nominal and full load

Output Ripple & Noise: 75mVp-p max.
Short circuit protection: 1.0 second
optional: /S = continuous
Operating temperature: -40°C to +85°C
Isolation voltage: min. 1000V DC
Optional Part-No.: /H min. 2000V DC

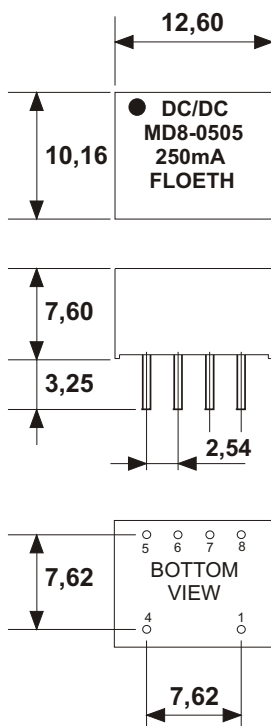
Part-No.: /2 0,25W output power
Part-No.: /5 0,5W output power
Part-No.: /7 0,75W output power

CAUTION: NO INPUT POLARITY CHANGE ALLOWED!

Single Output				Dual Output			
Part-No.	Input Voltage (VDC)	Output Voltage (VDC)	Output Current (mA)	Part-No.	Input Voltage (VDC)	Output Voltage (VDC)	Output Current (mA)
MD8-xx03.3	3,3, 5, 9, 12, 15, 24	3,3	378	MD8-xx03.3D	3,3, 5, 9, 12, 15, 24	+/- 3,3	+/-189
MD8-xx05	3,3, 5, 9, 12, 15, 24	5	250	MD8-xx05D	3,3, 5, 9, 12, 15, 24	+/- 5	+/-125
MD8-xx07	3,3, 5, 9, 12, 15, 24	7	180	MD8-xx07D	3,3, 5, 9, 12, 15, 24	+/- 7	+/- 90
MD8-xx09	3,3, 5, 9, 12, 15, 24	9	140	MD8-xx09D	3,3, 5, 9, 12, 15, 24	+/- 9	+/- 70
MD8-xx12	3,3, 5, 9, 12, 15, 24	12	104	MD8-xx12D	3,3, 5, 9, 12, 15, 24	+/- 12	+/- 52
MD8-xx15	3,3, 5, 9, 12, 15, 24	15	84	MD8-xx15D	3,3, 5, 9, 12, 15, 24	+/- 15	+/- 42
MD8-xx24	3,3, 5, 9, 12, 15, 24	24	52				

The input voltage can be increased by the value of the selected output voltage in boost operation (see Application Note C43, page 149).

Any other input or output voltages available



PIN CONNECTION:				
PIN	SINGLE	SINGLE A	DUAL	DUAL /X
1	- IN	- IN	- IN	- IN
4	+ IN	+ IN	+ IN	+ IN
5	+ Vout	+ Vout	+ Vout	+ Vout
6	NC	NP	COM	NP
7	NP	- Vout	NP	COM
8	- Vout	NP	- Vout	- Vout

Add "A" or "X" to the end of partnumber.
For example MD8-0505A; MD8-1212D/X

ALL DIMENSIONS IN MM
Tolerance +/- 0.25mm
All pins on a 2,54mm pitch.
Pin size is 0,5mm (0,020 inch) DIA
NC = No connection; NP = No pin
Dot denotes +IN (pin 4)

Note: Input and output capacitor
4,7µF - 10µF recommended.

Specification may be changed without notice
please contact office for verification

We can offer EMC - Filter
according to EN55011/22 Class B.