

Regulated  
 Case style: DIP 16

# COMMERCIAL DC/DC Converters

1 Watt / 2 Watt  
 Series: MD16W2

**Electrical specifications:**

Input voltage range: wide 2 : 1  
 Output voltage accuracy: typ. +/- 1% ; max. ±2%\*\*  
 Line Voltage regulation: +/- 0,5% max.  
 Load Voltage regulation: single ± 0,5% max. / dual ± 2% max.  
 (0% to 100% full load)

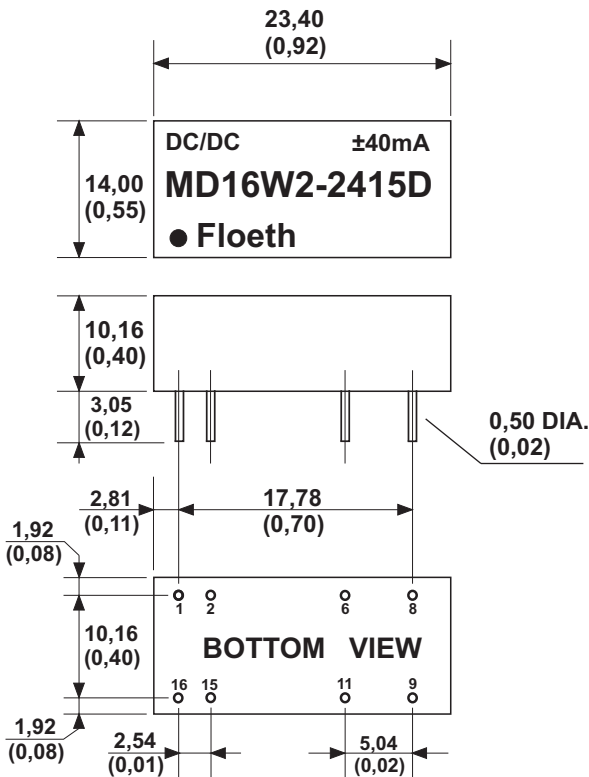
Efficiency: min. 70%  
 Output Ripple & Noise: typ. 100mVp-p continuous  
 Short circuit protection:  
 Operating temperature: -40°C to +85°C  
 Isolation voltage: min. 1000V DC  
 Optional Part-Nr.: /H3 min. 3000V DC

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

**CAUTION: NO INPUT POLARITY CHANGE ALLOWED!**

			1Watt	2Watt				1Watt	2Watt
Part - No. Single Output	Input Voltage	Output Voltage	Output Current	Output Current	Part - No. Dual Output	Input Voltage	Output Voltage	Output Current	Output Current
MD16W2-1203,3 MD16W2-1205 MD16W2-1212 MD16W2-1215	9 - 18V	3,3V 5V 12V 15V	300mA 200mA 100mA -	- 400mA - 134mA	MD16W2-1203,3D MD16W2-1205D MD16W2-1212D	9 - 18V	± 3,3V ± 5V ±12V	±150mA ±100mA -	- ±200mA ± 83mA
MD16W2-2405 MD16W2-2412 MD16W2-2415 MD16W2-2418	18 - 36V	5V 12V 15V 18V	200mA 100mA 80mA -	400mA 167mA 134mA 56mA	MD16W2-2405D MD16W2-2412D MD16W2-2415D MD16W2-2418D	18 - 36V	± 5V ±12V ±15V ±18V	±100mA ± 50mA ± 40mA ± 30mA	±200mA ± 83mA ± 66mA

**Any other output voltages available**



PIN CONNECTION:			
PIN	SINGLE	PIN	Dual
1 & 2	- IN	1 & 2	- IN
6 & 8	NC	6 & 11	COM
9	+ Vout	8	- Vout
11	- Vout	9	+ Vout
15 & 16	+ IN	15 & 16	+ IN

ALL DIMENSIONS IN MM ( INCHES )  
 MILLIMETERS +/- 0,25mm  
 (INCHES +/- 0,01")  
 All pins on a 2,54mm pitch.

Note: Dot denotes pin 1

Specification may be changed without notice  
 please contact office for verification

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