

Wide input range 1:2  
 Case style: DIP24

# INDUSTRIAL DC/DC Converters

Series: **CFGW2/  
 CMGW2**

Main Output PWM - regulated  
 & isolated against 2 nd Output

**Electrical specifications:**

Input voltage: wide 1:2  
 Output voltage accuracy: +/- 3%  
 Line regulation: +/- 0,2%  
 Load regulation: +/- 1%  
 Operating temperature: -40°C up to +105°C  
 Ambient temperature: -40°C to +71°C

Efficiency: up to 80%  
 Output Ripple: < 50mVp-p  
 Short circuit protection: fully protected  
 Insulation test voltage: I / O 1000V DC  
 O / O 1000V DC

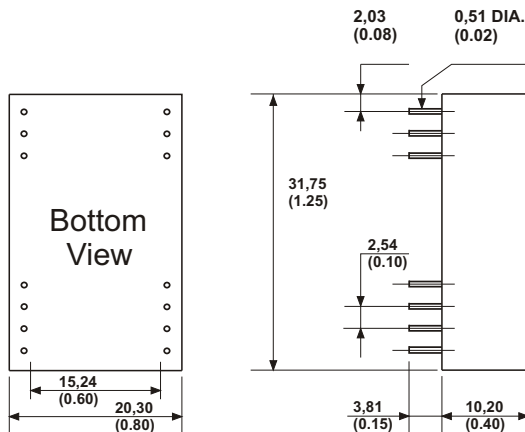
Part-No. /5 External -IN & -OUT / COM connection allowed  
 Case material: CFGW2 - polycarbonat / CMGW2 - metal

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

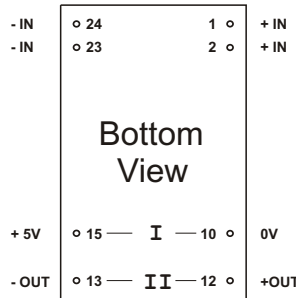
Part - No. Dual	Input Voltage DC	Output I		Output II	
		Voltage DC	Current	Voltage DC	Current
CFGW2-120505	9-18V*	5V	300mA	5V	300mA
CFGW2-120512			300mA	12V	125mA
CFGW2-120515			300mA	15V	100mA
CFGW2-240505	16-36V	5V	300mA	5V	300mA
CFGW2-240512			300mA	12V	125mA
CFGW2-240515			300mA	15V	100mA
CFGW2-480505	34-75V	5V	300mA	5V	300mA
CFGW2-480512			300mA	12V	125mA
CFGW2-480515			300mA	15V	100mA

\* Attention: Initial start-up requires  $U_{in}$  min. 10V, then  $U_{in}$  can drop down to min. 9V without leaving output tolerance.

**Any other output voltages available**



**PIN CONNECTION:**



**Isolated-Dual-Output**



**min. Load at Main  $\geq$  110mA  
 to supply 2nd Output well**

ALL DIMENSIONS IN MM (INCHES)  
 MILLIMETERS +/- 0,5mm  
 ((INCHES +/- 0,02"))  
 All pins on a 2,54mm pitch.

**output capacitor max.**

5V = 47 $\mu$ F ; 5V = 10 $\mu$ F/16V Tantal  
 12V = 10 $\mu$ F/35V Tantal  
 15V = 10 $\mu$ F/35V Tantal

Specification may be changed without notice  
 please contact office for verification

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

Wide input range 1:2  
Case style: DIP24

# INDUSTRIAL DC/DC Converters

Main Output PWM - regulated  
& isolated against Dual outputs

3 Watt Plus  
Series: CFGW2/  
CMGW2

### Electrical specifications:

Input voltage: wide 1:2  
Output voltage accuracy: +/- 2%  
Line regulation: +/- 0,2%  
Load regulation: +/- 1%  
Operating temperature: -40°C up to +105°C  
Ambient temperature: -40°C to +71°C

Efficiency: typ. 74%  
Output Ripple: < 50mVp-p  
short circuit protection: fully protected  
Insulation test voltage: I / O 1000V DC  
O / O 1000V DC

Part-No. /5 External -IN & -OUT / COM connection allowed  
Case material: CFGW2 - polycarbonat / CMGW2 - metal

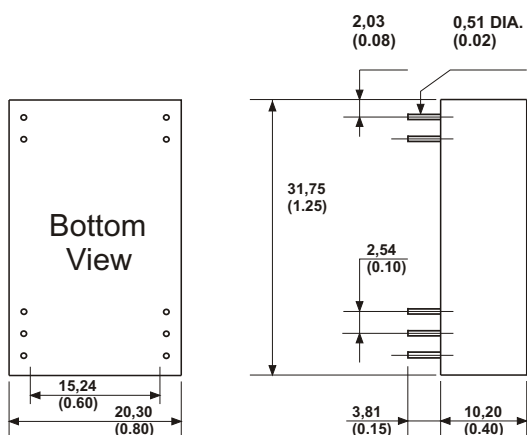
CAUTION: NO INPUT POLARITY CHANGE ALLOWED!

### Main Output

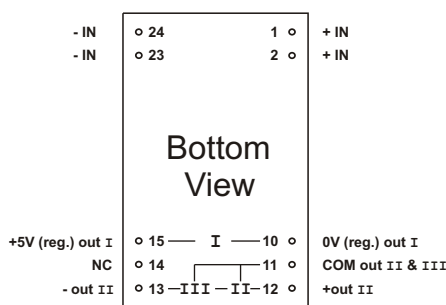
Part - No. Triple	Input Voltage DC	Output I		Output II & III	
		Voltage DC	Current	Voltage DC	Current
CFGW2-120505D CFGW2-120512D CFGW2-120515D	9-18V*	5V	300mA	+/- 5V	+/-150mA
		5V	300mA	+/-12V	+/- 62mA
		5V	300mA	+/-15V	+/- 50mA
CFGW2-240505D CFGW2-240512D CFGW2-240515D	16-36V	5V	300mA	+/- 5V	+/-150mA
		5V	300mA	+/-12V	+/- 62mA
		5V	300mA	+/-15V	+/- 50mA
CFGW2-480505D CFGW2-480512D CFGW2-480515D	34-75V	5V	300mA	+/- 5V	+/-150mA
		5V	300mA	+/-12V	+/- 62mA
		5V	300mA	+/-15V	+/- 50mA

\* Attention: Initial start-up requires U<sub>in</sub> min. 10V, then U<sub>in</sub> can drop down to min. 9V without leaving output tolerance.

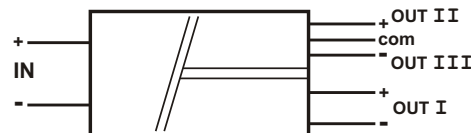
Any other output voltages available



### PIN CONNECTION:



### Isolated-Triple-Output



min. Load at Main ≥ 110mA  
to supply 2nd & 3rd Output well

ALL DIMENSIONS IN MM (INCHES)  
MILLIMETERS +/- 0,5mm  
((INCHES +/- 0,02")  
All pins on a 2,54mm pitch.

### output capacitor max.

5V = 47µF ; ± 5V = je 10µF/16V Tantal  
± 12V = je 10µF/35V Tantal  
± 15V = je 10µF/35V Tantal

Specification may be changed without notice  
please contact office for verification

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