

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

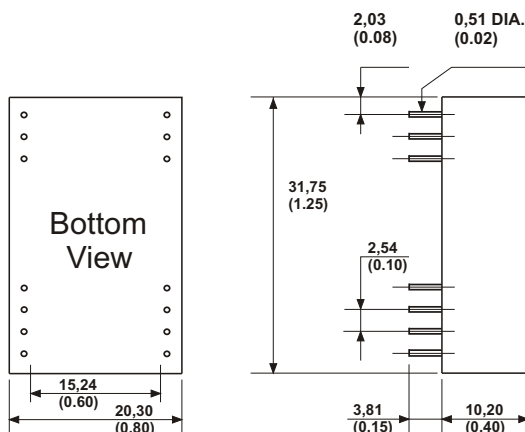
Part-No. /5 External -IN & -OUT / COM connection allowed
 Case material: CFGW2 - polycarbonat / CMGW2 - metal

CAUTION: NO INPUT POLARITY CHANGE ALLOWED!

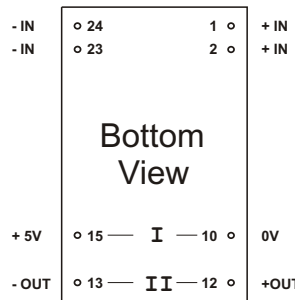
Part - No. Dual	Input Voltage DC	Output I		Output II	
		Voltage DC	Current	Voltage DC	Current
CFGW2-120505	9-18V*	5V	300mA	5V	300mA
CFGW2-120512			300mA	12V	125mA
CFGW2-120515			300mA	15V	100mA
CFGW2-240505	16-36V	5V	300mA	5V	300mA
CFGW2-240512			300mA	12V	125mA
CFGW2-240515			300mA	15V	100mA
CFGW2-480505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

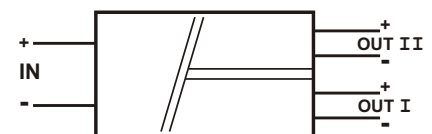
Any other output voltages available



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 μ F ; 5V = 10 μ F/16V Tantal
 12V = 10 μ F/35V Tantal
 15V = 10 μ F/35V Tantal

All specifications typical @ T_a +25°C
 Nom. V_{in} & full load, unless otherwise specified!

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

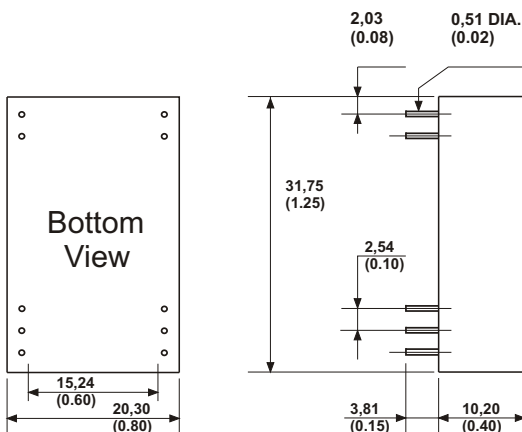
CAUTION: NO INPUT POLARITY CHANGE ALLOWED!

Main Output

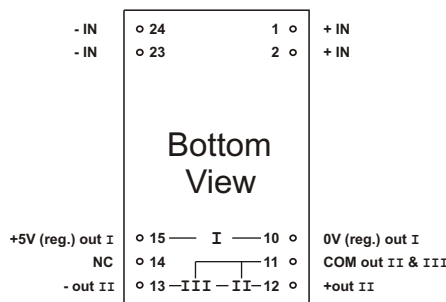
Part - No. Triple	Input Voltage DC	Output I		Output II & III	
		Voltage DC	Current	Voltage DC	Current
CFGW2-120505D CFGW2-120512D CFGW2-120515D	9-18V*	5V	300mA	+/- 5V	+/-150mA
		5V	300mA	+/-12V	+/- 62mA
		5V	300mA	+/-15V	+/- 50mA
CFGW2-240505D CFGW2-240512D CFGW2-240515D	16-36V	5V	300mA	+/- 5V	+/-150mA
		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_{in} min. 10V, then U_{in} can drop down to min. 9V without leaving output tolerance.

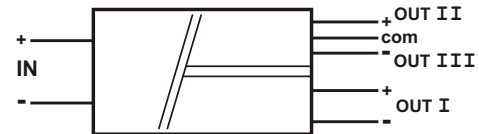
Any other output voltages available



PIN CONNECTION:



Isolated-Triple-Output



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

output capacitor max.

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

All specifications typical @ Ta +25°C
 Nom. Vin & full load, unless otherwise specified!

Specification may be changed without notice
 please contact office for verification

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 according to EN55011/22 Class B.