

Stand: 13/13

INDUSTRIAL

DC/DC Converters

PWM - regulated

3 - 4 Watt
 Series: CFW2/
 CMW2

Wide input range 1:2
 Case style: DIP24

Electrical specifications:

Input voltage: wide 1:2
 Output voltage accuracy: +/- 2%
 Line regulation: +/- 0,2%
 Load regulation: +/- 1%
 Efficiency: up to 77%
 Output Ripple & Noise: typ. 150mVp-p
 short circuit protection: fully protected

Operating temperature: -40°C up to +105°C
 Ambient temperature: -40°C to +71°C
 Insulation test voltage: 1000V DC
 optional part-Nr. /3 3kVAC rms
 part-Nr. /6 3,75 Watt
 part-Nr. /2 4 Watt

Case material: CFW2 - polycarbonat / CMW2 - metal
 Part-No. /5 External -IN & -OUT / COM connection allowed
 Part-No. /7 3kV DC isolation voltage @ P-No. /1 & /8

CAUTION: NO INPUT POLARITY CHANGE ALLOWED!

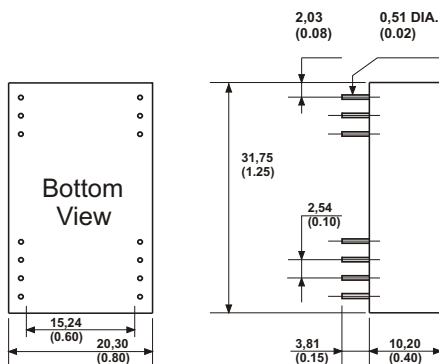
| Part - No. Single | Input Voltage DC | Output Voltage DC | Output Current | Part - No. Dual | Input Voltage DC | Output Voltage DC | Output Current |
|-------------------|------------------|-------------------|----------------|-----------------|------------------|-------------------|----------------|
| CFW2-1203 | 9-18V* | 3V | 1000mA | CFW2-1203D | 9-18V* | +/- 3V | +/-500mA |
| CFW2-1205 | | 5V | 600mA | CFW2-1205D | | +/- 5V | +/-300mA |
| CFW2-1212 | | 12V | 250mA | CFW2-1212D | | +/-12V | +/-125mA |
| CFW2-1215 | | 15V | 200mA | CFW2-1215D | | +/-15V | +/-100mA |
| CFW2-1218 | | 18V | 166mA | CFW2-1218D | | +/-18V | +/- 83mA |
| CFW2-1224 | | 24V | 125mA | CFW2-1224D | | +/-24V | +/- 62mA |
| CFW2-1228 | | 28V | 107mA | CFW2-1228D | | +/-28V | +/- 54mA |
| CFW2-2403 | 16-36V | 3V | 1000mA | CFW2-2403D | 16-36V | +/- 3V | +/-500mA |
| CFW2-2405 | | 5V | 600mA | CFW2-2405D | | +/- 5V | +/-300mA |
| CFW2-2412 | | 12V | 250mA | CFW2-2412D | | +/-12V | +/-125mA |
| CFW2-2415 | | 15V | 200mA | CFW2-2415D | | +/-15V | +/-100mA |
| CFW2-2418 | | 18V | 166mA | CFW2-2418D | | +/-18V | +/- 83mA |
| CFW2-2424 | | 24V | 125mA | CFW2-2424D | | +/-24V | +/- 62mA |
| CFW2-2428 | | 28V | 107mA | CFW2-2428D | | +/-28V | +/- 54mA |
| CFW2-4803 | 34-75V | 3V | 1000mA | CFW2-4803D | 34-75V | +/- 3V | +/-500mA |
| CFW2-4805 | | 5V | 600mA | CFW2-4805D | | +/- 5V | +/-300mA |
| CFW2-4812 | | 12V | 250mA | CFW2-4812D | | +/-12V | +/-125mA |
| CFW2-4815 | | 15V | 200mA | CFW2-4815D | | +/-15V | +/-100mA |
| CFW2-4818 | | 18V | 166mA | CFW2-4818D | | +/-18V | +/- 83mA |
| CFW2-4824 | | 24V | 125mA | CFW2-4824D | | +/-24V | +/- 62mA |
| CFW2-4828 | | 28V | 107mA | CFW2-4828D | | +/-28V | +/- 54mA |

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

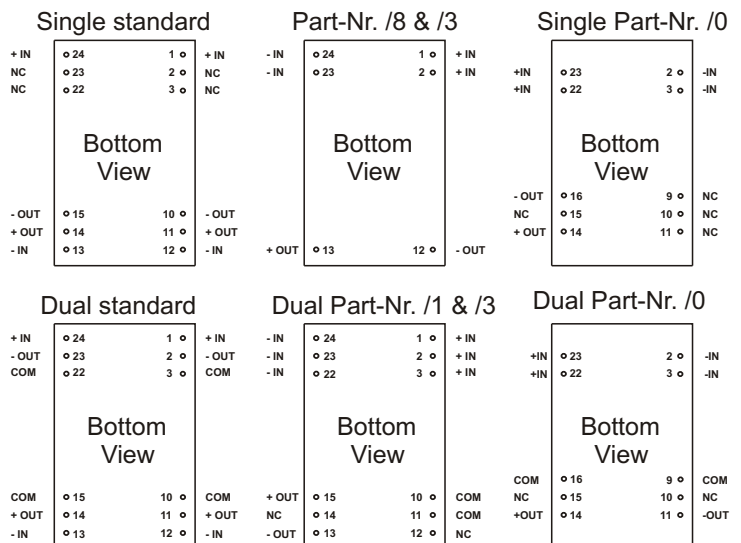
All 3V and 5V output types require a permanent burden of 15-60mA

Any other output voltages available

PIN CONNECTION:



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



Specification may be changed without notice
 please contact office for verification

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

Triple output
 Wide input range 1:2
 Case style: DIP24

INDUSTRIAL DC/DC Converters PWM - regulated

3 Watt Plus
 Series: CFW2/
 CMW2

All outputs cross regulated

Electrical specifications:

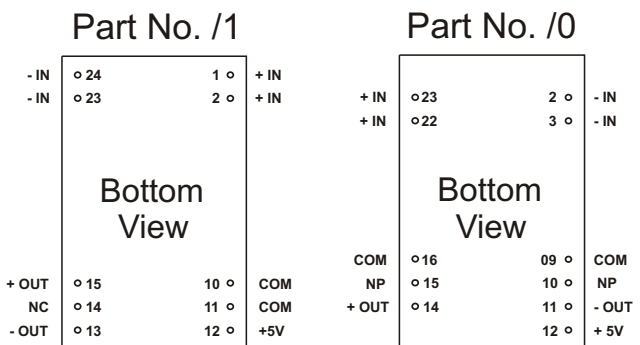
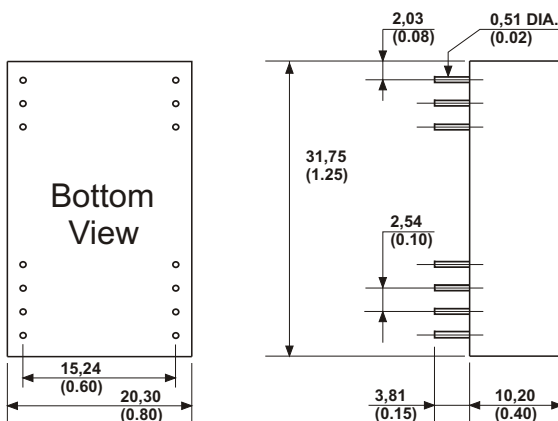
| | | | |
|--------------------------|--------------------------|---------------------------|-------------------------------------|
| Input voltage: | wide 1:2 | Short circuit protection: | fully protected |
| Output voltage accuracy: | +/- 3% for all outputs | Operating temperature: | -40°C up to 105°C |
| Line regulation: | +/- 0,2% for all outputs | Ambient temperature: | -40°C to +71°C |
| Load regulation: | +/- 1% for all outputs | Insulation test voltage: | 1000V DC |
| Efficiency: | up to 77% | Case material: | CFW2 - polycarbonate / CMW2 - metal |
| Output Ripple & Noise: | typ. 150mVp-p | | |

CAUTION: NO INPUT POLARITY CHANGE ALLOWED!

| Part - No. | Input Voltage DC | Output Voltage DC 1 & 2 | max. Output Current 1 & 2 | Output Voltage DC 3 | max. Output Current 3 |
|----------------------------------------------|------------------|----------------------------|----------------------------------|---------------------|-------------------------|
| CFW2-1205D05 CFW2-1212D05 CFW2-1215D05 | 9-18V | +/- 5V +/-12V +/-15V | +/-300mA +/-125mA +/-100mA | 5V 5V 5V | 200mA 200mA 200mA |
| CFW2-2405D05 CFW2-2412D05 CFW2-2415D05 | 16-36V | +/- 5V +/-12V +/-15V | +/-300mA +/-125mA +/-100mA | 5V 5V 5V | 200mA 200mA 200mA |

Any other output voltages available

PIN CONNECTION:



additional 220µF capacitor recommended for 5V output
 max. capacitive load 4,7µF at ± 15V output

ALL DIMENSIONS IN MM (INCHES)
 MILLIMETERS +/- 0,25mm
 (INCHES +/- 0,01")
 All pins on a 2,54mm pitch.
 NP = No pin, NC = No connection

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