

**Unregulated**  
**Case style: DIP24**  
**Short circuit proof**

# INDUSTRIAL DC/DC Converters

**3 Watt**  
**Series: CFU**

### Electrical specifications:

Input voltage range: +/- 10% / @Uin=5V -5%/+10%  
 Output voltage accuracy: +/- 2% (Vin=nominal & full load)  
 +/- 5% (Uin<= 3,3V)  
 +/- 1% // +/- 1%  
 Line Vin/Vout: +/- 1% // +/- 1%  
 Output voltage change: 3,3V, 5V output types 15% max.  
 (10% to 100%)  
 Efficiency: up to 80%  
 Output ripple & noise: typ. 100mVp-p  
 max. 200mVp-p @ Uin=3,3V

Short circuit protection: continuous / autorestart  
 Operating temperature: -40°C to +105°C  
 Ambient temperature: -40°C to +71°C  
 Insulation test voltage: standard 1000V DC  
 Case material: black polycarbonate  
 Optional:  
 Part-No. /3 metalcase (not for high insulation voltage)  
 Part-No. /2 4kV AC rms insulation test voltage\*\*  
 Part-No. /7 3kV DC insulation test voltage\*\*  
 Part-No. /5 External -IN & -OUT/COM connection allowed  
 Part-No. /9 Automotiv Tamb. -55°C to +85°C  
 \*\* only with /0, /1, /8 pin connection available

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

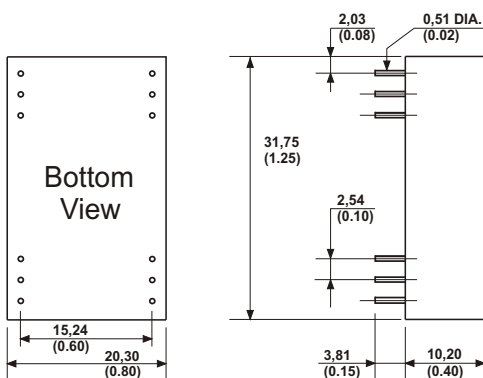
Part - No. Single	Input Voltage	Output Voltage	Output Current	Part - No. Dual	Input Voltage	Output Voltage	Output Current
CFU-03,301,6 CFU-03,306	3,3V	1,6V 6,0V	2000mA 400mA				
CFU-0505 CFU-0509 CFU-0512 CFU-0515	5V	5V 9V 12V 15V	600mA 330mA 250mA 200mA	CFU-0505D CFU-0512D CFU-0515D	5V	+/- 5V +/-12V +/-15V	+/-300mA +/-125mA +/-100mA
CFU-1205 CFU-1209 CFU-1212 CFU-1215	12V	5V 9V 12V 15V	600mA 330mA 250mA 200mA	CFU-1205D CFU-1212D CFU-1215D	12V	+/- 5V +/-12V +/-15V	+/-300mA +/-125mA +/-100mA
CFU-2405 CFU-2412 CFU-2415	24V	5V 12V 15V	600mA 250mA 200mA	CFU-2405D CFU-2412D CFU-2415D	24V	+/- 5V +/-12V +/-15V	+/-300mA +/-125mA +/-100mA

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

**Any other output voltages available**

### PIN CONNECTION:

All pins on a 2,54mm pitch;  
 NP = No Pin, NC = No connection



ALL DIMENSIONS IN MM (INCHES)  
 MILLIMETERS +/- 0,25mm / INCHES +/- 0,01"