

Unregulated
Case style: DIP24
Short circuit proof

INDUSTRIAL DC/DC Converters

3 Watt
Series: CFU

Electrical specifications:

Input voltage range: $\pm 10\%$ / @Uin=5V -5%/+10%
Output voltage accuracy: $\pm 2\%$ (Vin=nominal & full load)
 $\pm 5\%$ (Uin< 3,3V)
 $\pm 1\%$ // $\pm 1\%$
Line Vin/Vout: $\pm 1\%$ // $\pm 1\%$
Output voltage change: 3,3V, 5V output types 15% max.
(10% to 100%) 9V ~ 24V output types 10% max.
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	$\pm 5V$ $\pm 12V$ $\pm 15V$	$\pm 300mA$ $\pm 125mA$ $\pm 100mA$
CFU-1205 CFU-1209 CFU-1212 CFU-1215	12V	5V 9V 12V 15V	600mA 330mA 250mA 200mA	CFU-1205D CFU-1212D CFU-1215D	12V	$\pm 5V$ $\pm 12V$ $\pm 15V$	$\pm 300mA$ $\pm 125mA$ $\pm 100mA$
CFU-2405 CFU-2412 CFU-2415	24V	5V 12V 15V	600mA 250mA 200mA	CFU-2405D CFU-2412D CFU-2415D	24V	$\pm 5V$ $\pm 12V$ $\pm 15V$	$\pm 300mA$ $\pm 125mA$ $\pm 100mA$

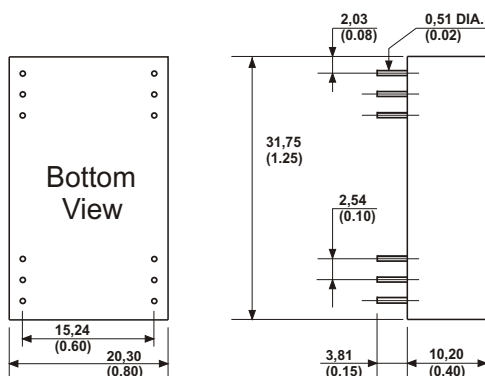
The input voltage can be increased by the value of the selected output voltage in boost operation (see Application Note C43, page 149).

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 $\pm 0,25mm$ / INCHES $\pm 0,01''$

