

Unregulated
Case style: DIP24

MEDICAL - INDUSTRIAL DC/DC Converters

3 Watt
Series: MED-CFU

EN/UL/CSA 60601-1 & 2

REINFORCED INSULATION

Electrical specifications:

Input voltage range: $\pm 10\%$ / @U_{in}=5V -5%/+10%
Output voltage accuracy: $\pm 2\%$ (V_{in}=nominal & full load)
 $\pm 5\%$ (V_{in} < 3,3V)
Line Vin/Vout: $\pm 1\%$
Output voltage change: 3,3V, 5V output types 15% max.
(10% ~ 100% full load) 9V ~ 24V output types 10% max.
Efficiency: up to 80%
Output Ripple & Noise: typ. 100mV p-p

Short circuit protection: continuous
Operating temperature: -40°C to +105°C
Ambient temperature: -40°C to +71°C
Insulation test voltage: 4kV AC rms *
couple capacitance: ~15pF
creepage distance: >8mm
Case material: black polycarbonate

* type test time 1 min.
part test time 1 sec.

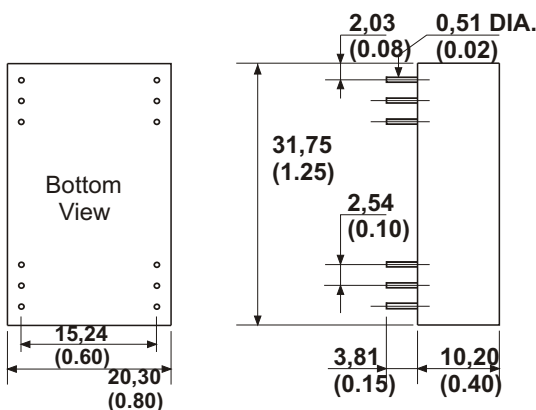
CAUTION: NO INPUT POLARITY CHANGE ALLOWED!

Part - No. Single	Input Voltage	Output Voltage	Output Current	Part - No. Dual	Input Voltage	Output Voltage	Output Current
MED-CFU-0505 MED-CFU-0509 MED-CFU-0512 MED-CFU-0515	5V	5V 9V 12V 15V	600mA 330mA 250mA 200mA	MED-CFU-0505D MED-CFU-0512D MED-CFU-0515D	5V	+/- 5V +/-12V +/-15V	+/-300mA +/-125mA +/-100mA
MED-CFU-1205 MED-CFU-1209 MED-CFU-1212 MED-CFU-1215	12V	5V 9V 12V 15V	600mA 330mA 250mA 200mA	MED-CFU-1205D MED-CFU-1212D MED-CFU-1215D	12V	+/- 5V +/-12V +/-15V	+/-300mA +/-125mA +/-100mA
MED-CFU-2405 MED-CFU-2412 MED-CFU-2415	24V	5V 12V 15V	600mA 250mA 200mA	MED-CFU-2405D MED-CFU-2412D MED-CFU-2415D	24V	+/- 5V +/-12V +/-15V	+/-300mA +/-125mA +/-100mA
MED-CFU-4805 MED-CFU-4812 MED-CFU-4815	48V	5V 12V 15V	600mA 250mA 200mA	MED-CFU-4805D MED-CFU-4812D MED-CFU-4815D	48V	+/- 5V +/-12V +/-15V	+/-300mA +/-125mA +/-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 @ T_a +25°C
Nom. Vin & full load, unless otherwise specified!

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

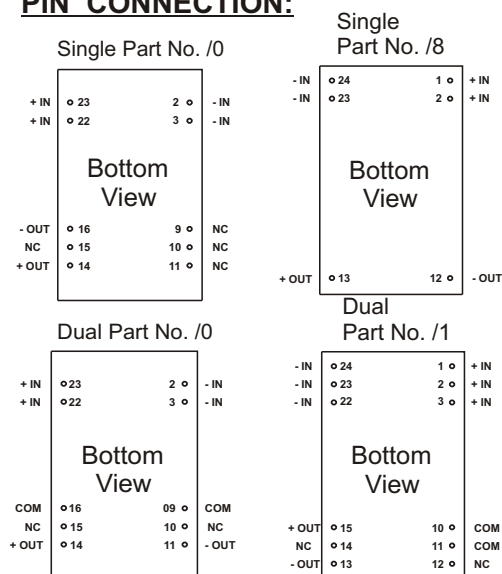


ALL DIMENSIONS IN MM (INCHES)
MILLIMETERS +/- 0,25mm / INCHES +/- 0,01"

Specification may be changed without notice
please contact office for verification

Any other output voltages available

PIN CONNECTION:



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