

MEDICAL - INDUSTRIAL DC/DC Converters

EN/UL/CSA 60601-1 & 2 REINFORCED INSULATION

Stand: 07/14

Unregulated
 Case style: DIP24

3 Watt
 Series: MED-CFU

Electrical specifications:

Input voltage range: +/- 10% / @U_{in}=5V -5%/+10%
 Output voltage accuracy: +/- 2% (V_{in}=nominal & full load)
 +/- 5% (V_{in}<= 3,3V)
 Line Vin/Vout: +/- 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!

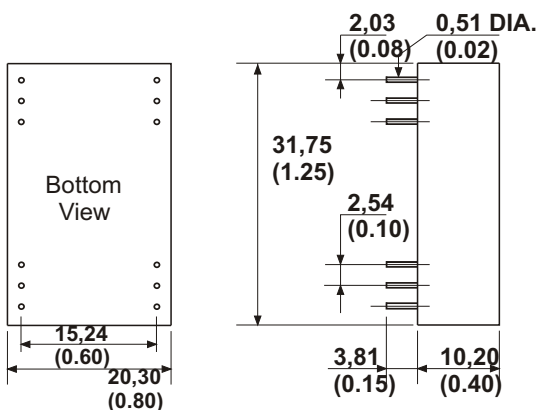
Part - No. Single	Input Voltage	Output Voltage	Output Current	Part - No. Dual	Input Voltage	Output Voltage	Output Current
MED-CFU-0505 MED-CFU-0509 MED-CFU-0512 MED-CFU-0515	5V	5V 9V 12V 15V	600mA 330mA 250mA 200mA	MED-CFU-0505D MED-CFU-0512D MED-CFU-0515D	5V	+/- 5V +/-12V +/-15V	+/-300mA +/-125mA +/-100mA
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

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

Any other output voltages available

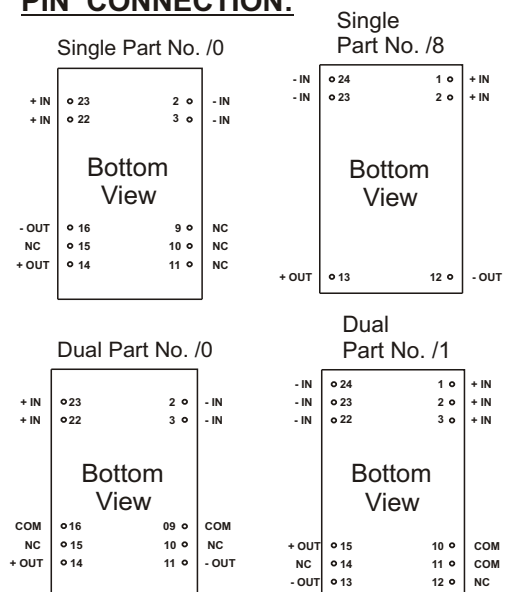
PIN CONNECTION:

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



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

Specification may be changed without notice
 please contact office for verification



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