

MEDICAL - INDUSTRIAL DC/DC Converters

Stand: 23/13

Wide input range 1:2
PWM - regulated

**50 Watt
Series:
MED-UCW2**

EN/UL/CSA 60601-1 & 2

REINFORCED INSULATION

Electrical specifications:

Input voltage:	wide 1:2	Short circuit protection:	continuous
Output voltage accuracy:	+/- 3%	Insulation test voltage:	4kV AC rms
Line regulation:	+/- 0,2%	Operating temperature:	-40°C up to 100°C
Load regulation:	+/- 1%	Ambient temperature:	-40°C to +71°C (* = +50°C only)
Efficiency:	up to 87%	Part-No. /9 Ambient temperature optional:	-55°C to +85°C
Output Ripple & Noise:	200mV	Part-No. /0 Enable/Disable	
Case material:	polycarbonate	Part-No. /2 Adjust output voltage	

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

CAUTION: NO INPUT POLARITY CHANGE ALLOWED!

Part - No. Single Output	Input Voltage DC	Output Voltage DC	Output Current 50W
MED-UCW2-1205	9 - 18V	5V	10000mA*
MED-UCW2-1212		12V	4167mA
MED-UCW2-1215		15V	3333mA
MED-UCW2-1224		24V	2083mA
MED-UCW2-1248		48V	1042mA
MED-UCW2-1260		60V	833mA

MED-UCW2-2405	18 - 36V	5V	10000mA
MED-UCW2-2412		12V	4167mA
MED-UCW2-2415		15V	3333mA
MED-UCW2-2424		24V	2083mA
MED-UCW2-2448		48V	1042mA
MED-UCW2-2460		60V	833mA

MED-UCW2-4805	36 - 72V	5V	10000mA
MED-UCW2-4812		12V	4167mA
MED-UCW2-4815		15V	3333mA
MED-UCW2-4824		24V	2083mA
MED-UCW2-4848		48V	1042mA
MED-UCW2-4860		60V	833mA

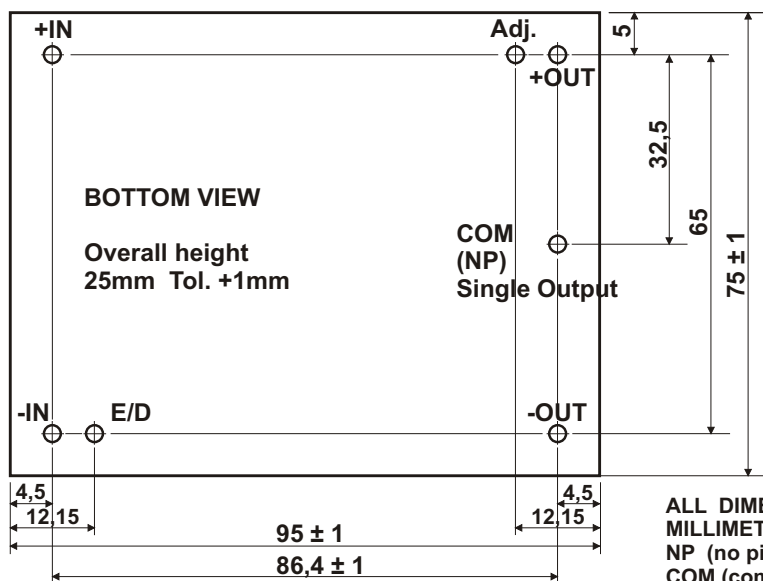
Part - No. Dual Output	Input Voltage DC	Output Voltage DC	Output Current 50W
MED-UCW2-1205D	9 - 18V	+/- 5V	+/- 5000mA*
MED-UCW2-1212D		+/-12V	+/- 2083mA
MED-UCW2-1215D		+/-15V	+/- 1667mA
MED-UCW2-1224D		+/-24V	+/- 1042mA
MED-UCW2-1248D		+/-48V	+/- 521mA
MED-UCW2-1260D		+/-60V	+/- 417mA

MED-UCW2-2405D	18 - 36V	+/- 5V	+/- 5000mA
MED-UCW2-2412D		+/-12V	+/- 2083mA
MED-UCW2-2415D		+/-15V	+/- 1667mA
MED-UCW2-2418D		+/-18V	+/- 1388mA
MED-UCW2-2424D		+/-24V	+/- 1042mA
MED-UCW2-2448D		+/-48V	+/- 521mA
MED-UCW2-2460D	+/-60V	+/- 417mA	

MED-UCW2-4805D	36 - 72V	+/- 5V	+/- 5000mA
MED-UCW2-4812D		+/-12V	+/- 2083mA
MED-UCW2-4815D		+/-15V	+/- 1667mA
MED-UCW2-4824D		+/-24V	+/- 1042mA
MED-UCW2-4848D		+/-48V	+/- 521mA
MED-UCW2-4860D		+/-60V	+/- 417mA

Any other output voltages available

Note: Pin size is 1mm diameter



ALL DIMENSIONS IN MM
MILLIMETERS +/-0,25mm
NP (no pin) on single output models
COM (common) on dual output models

Part-Nr. /0
Logic compatibility TTL
ON: E/D-Pin open or >=4,6 ... 5,5V
OFF: E/D-Pin <=0,6V
Area between 0,6V ... 4,6V undefined

Part-Nr. /2

$R_{Adj} \geq xR \leq xR$
5V
12V 3k 5k
15V

Do not use converter without R_{Adj}!

Specification may be changed without notice
please contact office for verification

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