

# MEDICAL - INDUSTRIAL DC/DC Converters

Stand: 21/08

Wide input range 1:2  
 PWM - regulated

50 Watt  
 Series: MED-UCW2

**EN 60601-1**

**REINFORCED INSULATION**

**Electrical specifications:**

<b>Input voltage:</b>	wide 1:2	<b>Short circuit protection:</b>	continuous
<b>Output voltage accuracy:</b>	+/- 3%	<b>Insulation test voltage:</b>	4kV AC rms
<b>Line regulation:</b>	+/- 0,2%	<b>Ambient temperature:</b>	-40°C to +71°C ( * = +50°C only)
<b>Load regulation:</b>	+/- 1%	<b>Part-No. /9 Ambient temperature optional:</b>	-55°C to +85°C
<b>Efficiency:</b>	min. 65%	<b>Operating temperature:</b>	max. +100°C
<b>Output Ripple &amp; Noise:</b>	200mV	<b>Part-No. /0 Enable/Disable</b>	
<b>Case material:</b>	polycarbonate	<b>Part-No. /2 Adjust output voltage</b>	

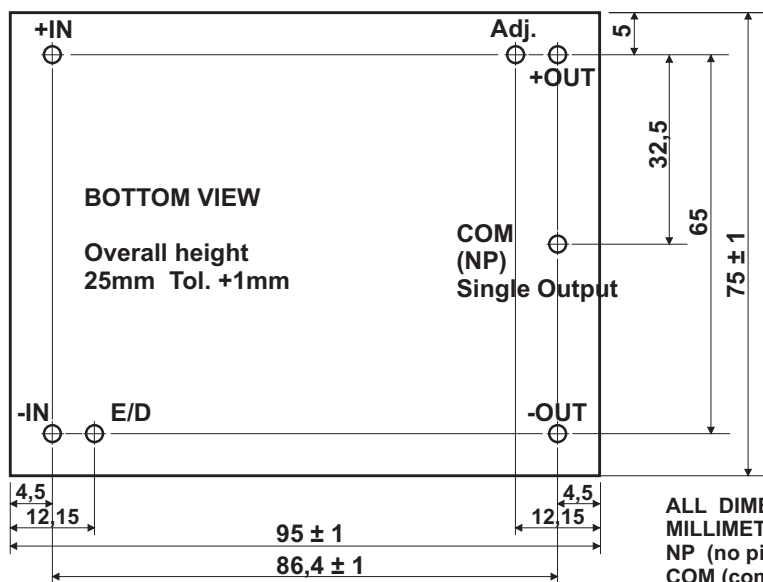
**CAUTION: NO INPUT POLARITY CHANGE ALLOWED!**

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
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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
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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
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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	
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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



**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 3k 5k  
 12V 3k 5k  
 15V

Do not use converter without R<sub>Adj</sub> !

Specification may be changed without notice  
 please contact office for verification

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