

- Universal AC Input
- Fully Encapsulated PCB Mounting Plastic Case, plus options of Chassis Mounting with Screw Terminal connections.
- Wide Temperature Range (-40°C option)
- Short Circuit, OVP Protected
- Convection Cooled
- Full Approvals: UL/CE/CB
- Low Ripple And Noise
- **UL60601-1 / IEC60601-1 / EN60601-1**
Medical Safety Approvals



Specification

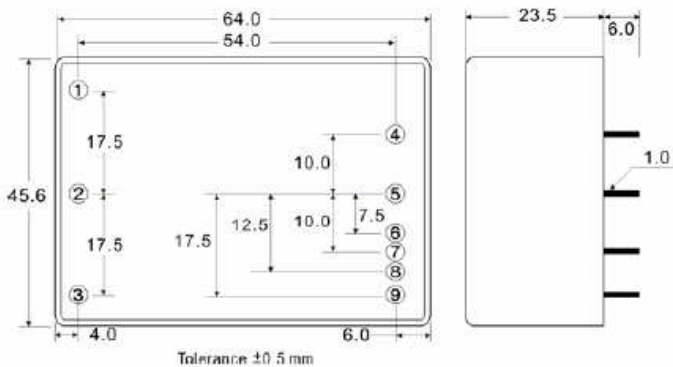
Input Voltage.....	90~264 VAC, 47~440 Hz (100-375 VDC)
Inrush Current.....	10 A @ 115 VAC, 20 A @ 230 VAC
Output Voltage.....	See table below
Load Regulation ... (10 to 100%).....	Single & Dual Output +/- 1 % Triple : +/- 1% Output 1, +/-5% Outputs 2 & 3
Line Regulation..(full range).....	Single & Dual Output +/- 0.5 % Triple : +/- 0.5% Output 1, +/-2% Outputs 2 & 3
Over Voltage Protection.....	Zener Diode Clamp
Short Circuit Protection.....	Hiccup mode, indefinite (automatic recovery)
Hold Up Time.....	20 ms, min
Input to Output Isolation.....	I/P-O/P: 4 kVAC,
Operating Temperature	-25 to +70 °C, see derating (case temperature max +95°C) (add suffix "-E1" for -40°C operation)
Storage Temperature.....	-40 to +100 °C
Switching Frequency.....	132 kHz
Safety Standards.....	UL60601-1, IEC60601-1, EN60601-1
EMC.....	EN55011 Class B
Mechanical ... (PCB Mount Version).....	Encapsulated, 64 x 45.6 x 23.5 mm
Connections Input & Output.....	PCB mounting: through hole pins
Mechanical Options.....	Chassis mounting with screw terminal connections Chassis mounting with IEC Mains inlet

Models and Ratings (Single & Multi Outputs)

Model	Output 1	Output 2	Output 3	Output Current	Efficiency
MTC-3.3S	3.3 V			3.0 A	74%
MTC-5S	5.0 V			3.0 A	78%
MTC-7.35S	7.35 V			2.04 A	79%
MTC-9S	9.0 V			1.67 A	79%
MTC-12S	12.0 V			1.25 A	81%
MTC-15S	15.0 V			1.0 A	81%
MTC-24S	24.0 V			0.625 A	83%
MTC-5D	+ 5.0 V	- 5.0 V		+/- 1.5 A	78%
MTC-12D	+ 12.0 V	- 12.0 V		+/- 0.625 A	80%
MTC-15D	+15.0 V	-15.0 V		+/- 0.5 A	81%
MTC-5S12D	+ 5.0 V	+12.0 V	- 12.0 V	2 A, +/- 0.2 A	78%
MTC-5S15D	+ 5.0 V	+15.0 V	-15.0 V	2 A, +/- 0.15 A	78%

Please see next page for mechanical drawings.

Mechanical Details: Top View

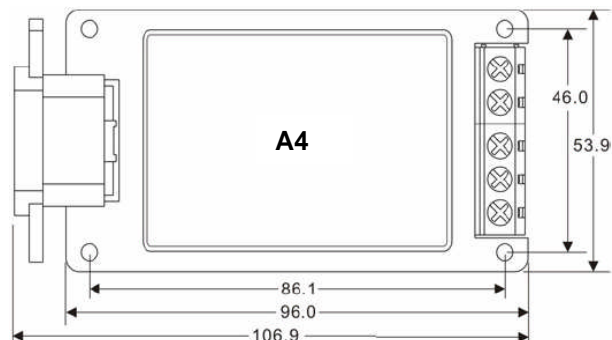
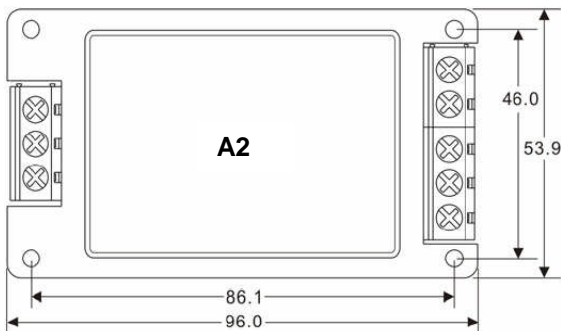


Pinout Details

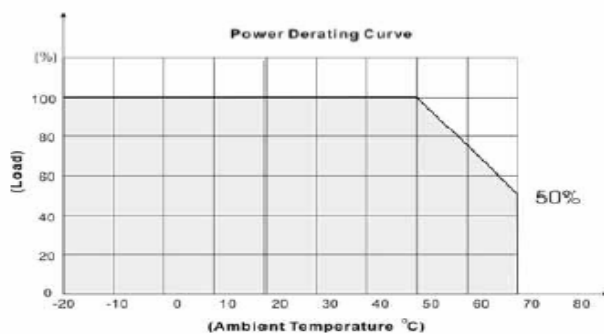
Pin	Single	Dual	Triple
1	No Pin	No Pin	No Pin
2	AC Live	AC Live	AC Live
3	AC Neutral	AC Neutral	AC Neutral
4	-DC Out	-DC Out	+5V Rtn.
5	No Pin	Common	+5V Out
6	No Pin	No Pin	-DC Out
7	+DC Out	+DC Out	No Pin
8	No Pin	No Pin	Common
9	No Pin	No Pin	+DC Out

Mechanical Options – add suffix

- A2 = Chassis mounting with screw terminals for stripped wires
 - A3 = Chassis mounting with IEC C8 input and screw terminals for stripped wires on output
 - A4 = Chassis mounting with IEC C14 input and screw terminals for stripped wires on output
 - A5 = Chassis mounting with screw terminals for crimped wires
 - A6 = Chassis mounting with IEC C8 input and screw terminals for crimped terminals on output
 - A7 = Chassis mounting with IEC C14 input and screw terminals for crimped terminals on output
- Please contact the ALL PSU sales office for further details on A3, A5, A6 and A7 options.



DERATING



Specifications may change without notice. E&OE. ALL PSU Terms & Conditions apply.

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