

# 15 Watt, ANC Series, Encapsulated Power Supply

**ALL PSU LTD**  
Electronic Power Solutions

- Universal AC Input
- Fully Encapsulated, PCB Mounting Plastic Case, plus options of Chassis or DIN Rail mounting with Screw Terminal Connections.
- Wide Temperature Range (-40°C option)
- Short Circuit, OVP Protected
- Convection Cooled
- Full Approvals: UL/cUL/CE/TUV
- Low Ripple And Noise



## Specification

|  |   |
|--|---|
| Input Voltage.....                     | 90~264 VAC, 47~440 Hz (120-370 VDC)   |
| Inrush Current.....                    | 10 A @ 115 VAC, 20 A @ 230 VAC  |
| Output Voltage.....                    | See table below, +/-2% preset accuracy  |
| Load Regulation (5% to full load)..... | Single output, +/-0.5%, dual output +/- 3 %<br>Triple: +/- 2% output 1, +/-5% outputs 2 & 3           |
| Line Regulation (full range).....      | Single output, +/-0.5%, dual output +/- 0.5 %<br>Triple: +/- 1% output 1, +/-5% outputs 2 & 3         |
| Over Voltage Protection.....           | Zener diode clamp   |
| Short Circuit Protection.....          | Hiccup mode, indefinite (automatic recovery)  |
| Hold Up Time.....                      | 15 ms, min  |
| Input to Output Isolation.....         | Input to output: 3 kVAC,  |
| Operating Temperature .....            | -25 to +70 °C, see derating curve,<br>(add suffix "-E1" for -40 °C operation)                         |
| Storage Temperature.....               | -40 to +85 °C   |
| Switching Frequency.....               | 100 kHz   |
| Safety Standards.....                  | UL/cUL, TUV 60950, CE   |
| EMC.....                               | EN55022 Class B, EN55024  |
| Mechanical, (PCB Mount Version).....   | Encapsulated, 74 x 54 x 22 mm   |
| Connections Input & Output.....        | PCB mounting: through hole pins   |
| Mechanical Options.....                | Chassis mounting with screw terminal connections<br>DIN Rail mounting with screw terminal connections |

## Models and Ratings (Single, Dual or Triple Outputs)

| Model                        | Output 1 | Output 2 | Output 3 | Output Current  | Efficiency |
|------------------------------|----------|----------|----------|-----------------|------------|
| <a href="#">ANC-5S-AP</a>    | 5.0 V    |          |          | 3.0 A           | 70%        |
| <a href="#">ANC-12S-AP</a>   | 12.0 V   |          |          | 1.25 A          | 73%        |
| <a href="#">ANC-15S-AP</a>   | 15.0 V   |          |          | 1.0 A           | 73%        |
| <a href="#">ANC-24S-AP</a>   | 24.0 V   |          |          | 0.625 A         | 77%        |
| <a href="#">ANC-5D-AP</a>    | +5.0 V   | -5.0 V   |          | +/-1.5 A        | 71%        |
| <a href="#">ANC-12D-AP</a>   | +12.0 V  | -12.0 V  |          | +/-0.650 A      | 76%        |
| <a href="#">ANC-15D-AP</a>   | +15.0 V  | -15.0 V  |          | +/-0.5 A        | 65%        |
| <a href="#">ANC-5S12D-AP</a> | +5.0 V   | +12.0 V  | -12.0 V  | 2 A, +/- 0.2 A  | 68%        |
| <a href="#">ANC-5S15D-AP</a> | +5.0 V   | +15.0 V  | -15.0 V  | 2 A, +/- 0.15 A | 68%        |

Note: A 10% minimum load is required on O/P1 of the triple output models to maintain stated regulation

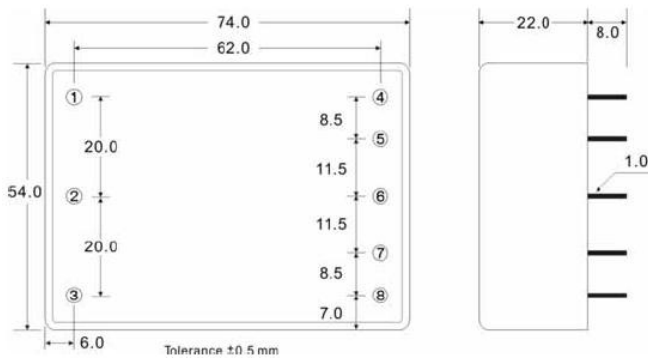
Please see next page for mechanical drawings.

ALL PSU Ltd, Unit D6 Laser Quay, Culpeper Close, Medway City Estate,  
Rochester, Kent, ME2 4HU, Tel: 01634 725527, Fax: 01634 739111  
Email: [sales@allpsu.co.uk](mailto:sales@allpsu.co.uk), Web: [www.allpsu.co.uk](http://www.allpsu.co.uk)

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## Mechanical Details (top view)



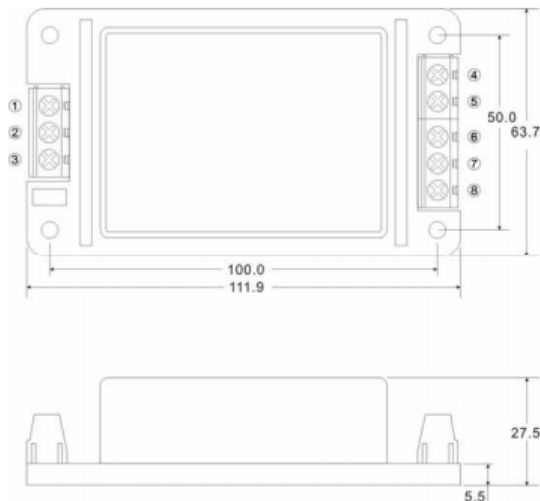
## Pinout Details

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

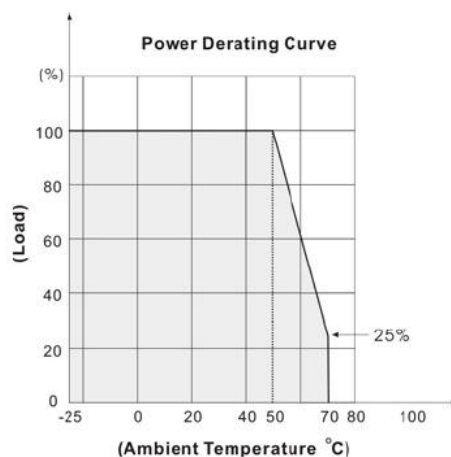
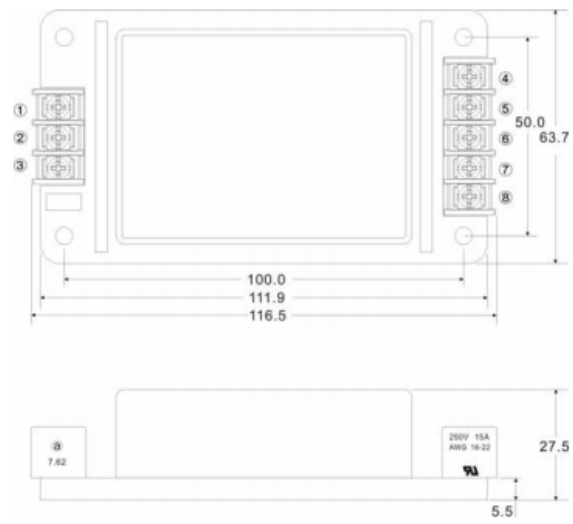
### \*Mechanical Options - add suffix:

- A2 = Chassis mounting with screw terminals for stripped wires
  - A5 = Chassis mounting with screw terminals for crimped terminals
  - DN = DIN Rail Mounting with screw terminal connections
- Please contact ALL PSU office for further details

### Option "A2"



### Option "A5"



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

**ALL PSU Ltd, Unit D6 Laser Quay, Culpeper Close, Medway City Estate,  
Rochester, Kent, ME2 4HU, Tel: 01634 725527, Fax: 01634 739111,  
Email: sales@allpsu.co.uk Web: www.allpsu.co.uk**