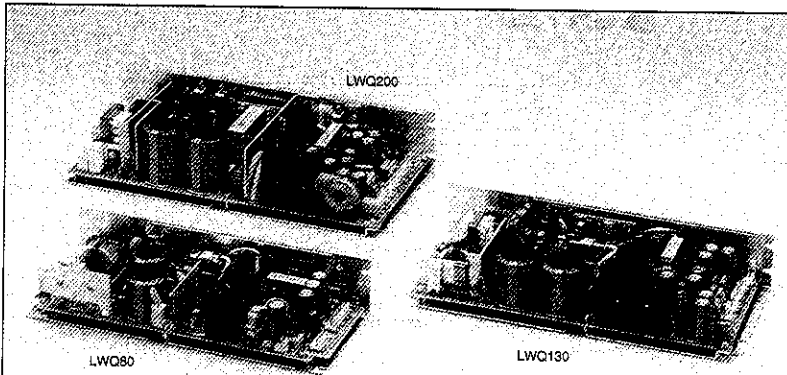


# LWQ-SERIES

Quad output 80W ~ 200W

**LAMBDA**  
DENSEI-LAMBDA

Unit Type Power Supply



CE (Low Voltage Directive)

1 year warranty

Model name

**LWQ 80-5 2 2 5**

Name of series      CH1      CH2      CH3      CH4  
Total output power      output voltage code      output voltage code      output voltage code      output voltage code

| Output voltage code | Output voltage |
|---------------------|----------------|
| 5                   | 5V             |
| 2                   | 12V            |
| F                   | 15V            |
| 4                   | 24V            |

## Features

- CE marking (Low Voltage Directive)
- Wide input voltage range  
100/200VAC auto-selectable
- WattBox output design
- Low profile, 18 models
- Isolation between CH1, CH4 and  $\pm$ CH
- Remote on/off control
- 1 year warranty

## Specifications

|                                                      |                                                                                                                              |
|------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------|
| 1. Input voltage range                               | 85 ~ 132VAC/170 ~ 265VAC (47 ~ 63Hz), DC220 ~ 330V auto-selectable                                                           |
| 2. Output voltage range                              | CH1: $\pm$ 5%, CH4: $\pm$ 5%, CH2, CH3: Fixed                                                                                |
| 3. Cooling                                           | Convection cooling                                                                                                           |
| 4. Operating ambient temperature (Standard mounting) | 0 ~ +60°C<br>Output derating 0 ~ +40°C: 100%, +50°C: 75%, +60°C: 50%                                                         |
| 5. Withstand voltage                                 | Input-output: 3.75kVAC, Input-FG: 2.5kVAC, Output-chassis: 500VAC for 1 min.                                                 |
| 6. Safety standard                                   | Approved by UL1950  , CSA950  (LWQ130: approved by CSA234  ) and EN60950                                                     |
| 7. EMI                                               | Conforms to VCCI-class 2, FCC class B and VDE class B                                                                        |
| 8. Functions                                         | Over voltage protection, Over current protection, Remote on/off control<br>(Total output general control by external signal) |

## Product lineup

| Model name | CH          | Nominal output voltage | Max. output current | Max. output power/CH | Total max. output power | UL | CSA | EN |
|------------|-------------|------------------------|---------------------|----------------------|-------------------------|----|-----|----|
| LWQ80      | LWQ80-5225  | CH1 (V1) 5V            | 8A                  | 40W                  | 80W                     |    |     |    |
|            |             | CH2 (V2) +12V          | 2A                  | 24W                  |                         |    |     |    |
|            |             | CH3 (V3) -12V          | 1A                  | 12W                  |                         |    |     |    |
|            |             | CH4 (V4) 5V            | 7A                  | 35W                  |                         |    |     |    |
|            | LWQ80-5222  | CH1 (V1) 5V            | 8A                  | 40W                  | 80W                     |    |     |    |
|            |             | CH2 (V2) +12V          | 2A                  | 24W                  |                         |    |     |    |
|            |             | CH3 (V3) -12V          | 1A                  | 12W                  |                         |    |     |    |
|            |             | CH4 (V4) 12V           | 3A                  | 36W                  |                         |    |     |    |
|            | LWQ80-5224  | CH1 (V1) 5V            | 8A                  | 40W                  | 80W                     |    |     |    |
|            |             | CH2 (V2) +12V          | 2A                  | 24W                  |                         |    |     |    |
|            |             | CH3 (V3) -12V          | 1A                  | 12W                  |                         |    |     |    |
|            |             | CH4 (V4) 24V           | 1.5A                | 36W                  |                         |    |     |    |
| LWQ80      | LWQ80-5FF5  | CH1 (V1) 5V            | 8A                  | 40W                  | 80W                     |    |     |    |
|            |             | CH2 (V2) +15V          | 2A                  | 30W                  |                         |    |     |    |
|            |             | CH3 (V3) -15V          | 1A                  | 15W                  |                         |    |     |    |
|            |             | CH4 (V4) 5V            | 7A                  | 35W                  |                         |    |     |    |
|            | LWQ80-5FF2  | CH1 (V1) 5V            | 8A                  | 40W                  | 80W                     |    |     |    |
|            |             | CH2 (V2) +15V          | 2A                  | 30W                  |                         |    |     |    |
|            |             | CH3 (V3) -15V          | 1A                  | 15W                  |                         |    |     |    |
|            |             | CH4 (V4) 12V           | 3A                  | 36W                  |                         |    |     |    |
|            | LWQ80-5FF4  | CH1 (V1) 5V            | 8A                  | 40W                  | 80W                     |    |     |    |
|            |             | CH2 (V2) +15V          | 2A                  | 30W                  |                         |    |     |    |
|            |             | CH3 (V3) -15V          | 1A                  | 15W                  |                         |    |     |    |
|            |             | CH4 (V4) 24V           | 1.5A                | 36W                  |                         |    |     |    |
| LWQ130     | LWQ130-5225 | CH1 (V1) 5V            | 15A                 | 75W                  | 130W                    |    |     |    |
|            |             | CH2 (V2) +12V          | 4A                  | 48W                  |                         |    |     |    |
|            |             | CH3 (V3) -12V          | 1A                  | 12W                  |                         |    |     |    |
|            |             | CH4 (V4) 5V            | 10A                 | 50W                  |                         |    |     |    |
|            | LWQ130-5222 | CH1 (V1) 5V            | 15A                 | 75W                  | 130W                    |    |     |    |
|            |             | CH2 (V2) +12V          | 4A                  | 48W                  |                         |    |     |    |
|            |             | CH3 (V3) -12V          | 1A                  | 12W                  |                         |    |     |    |
|            |             | CH4 (V4) 12V           | 4A                  | 48W                  |                         |    |     |    |
|            | LWQ130-5224 | CH1 (V1) 5V            | 15A                 | 75W                  | 130W                    |    |     |    |
|            |             | CH2 (V2) +12V          | 4A                  | 48W                  |                         |    |     |    |
|            |             | CH3 (V3) -12V          | 1A                  | 12W                  |                         |    |     |    |
|            |             | CH4 (V4) 24V           | 2A                  | 48W                  |                         |    |     |    |

| Model name | CH          | Nominal output voltage | Max. output current | Max. output power/CH | Total max. output power | UL | CSA | EN |
|------------|-------------|------------------------|---------------------|----------------------|-------------------------|----|-----|----|
| LWQ130     | LWQ130-5FF5 | CH1 (V1) 5V            | 15A                 | 75W                  | 130W                    |    |     |    |
|            |             | CH2 (V2) +15V          | 3.2A                | 48W                  |                         |    |     |    |
|            |             | CH3 (V3) -15V          | 1A                  | 15W                  |                         |    |     |    |
|            |             | CH4 (V4) 5V            | 10A                 | 50W                  |                         |    |     |    |
|            | LWQ130-5FF2 | CH1 (V1) 5V            | 15A                 | 75W                  | 130W                    |    |     |    |
|            |             | CH2 (V2) +15V          | 3.2A                | 48W                  |                         |    |     |    |
|            |             | CH3 (V3) -15V          | 1A                  | 15W                  |                         |    |     |    |
|            |             | CH4 (V4) 12V           | 4A                  | 48W                  |                         |    |     |    |
|            | LWQ130-5FF4 | CH1 (V1) 5V            | 15A                 | 75W                  | 130W                    |    |     |    |
|            |             | CH2 (V2) +15V          | 3.2A                | 48W                  |                         |    |     |    |
|            |             | CH3 (V3) -15V          | 1A                  | 15W                  |                         |    |     |    |
|            |             | CH4 (V4) 24V           | 2A                  | 48W                  |                         |    |     |    |
| LWQ200     | LWQ200-5225 | CH1 (V1) 5V            | 25A                 | 125W                 | 200W                    |    |     |    |
|            |             | CH2 (V2) +12V          | 4A                  | 48W                  |                         |    |     |    |
|            |             | CH3 (V3) -12V          | 1A                  | 12W                  |                         |    |     |    |
|            |             | CH4 (V4) 5V            | 15A                 | 75W                  |                         |    |     |    |
|            | LWQ200-5222 | CH1 (V1) 5V            | 25A                 | 125W                 | 200W                    |    |     |    |
|            |             | CH2 (V2) +12V          | 4A                  | 48W                  |                         |    |     |    |
|            |             | CH3 (V3) -12V          | 1A                  | 12W                  |                         |    |     |    |
|            |             | CH4 (V4) 12V           | 6A                  | 72W                  |                         |    |     |    |
|            | LWQ200-5224 | CH1 (V1) 5V            | 25A                 | 125W                 | 200W                    |    |     |    |
|            |             | CH2 (V2) +12V          | 4A                  | 48W                  |                         |    |     |    |
|            |             | CH3 (V3) -12V          | 1A                  | 12W                  |                         |    |     |    |
|            |             | CH4 (V4) 24V           | 3A                  | 72W                  |                         |    |     |    |
| LWQ200     | LWQ200-5FF5 | CH1 (V1) 5V            | 25A                 | 125W                 | 200W                    |    |     |    |
|            |             | CH2 (V2) +15V          | 3.2A                | 48W                  |                         |    |     |    |
|            |             | CH3 (V3) -15V          | 1A                  | 15W                  |                         |    |     |    |
|            |             | CH4 (V4) 5V            | 15A                 | 75W                  |                         |    |     |    |
|            | LWQ200-5FF2 | CH1 (V1) 5V            | 25A                 | 125W                 | 200W                    |    |     |    |
|            |             | CH2 (V2) +15V          | 3.2A                | 48W                  |                         |    |     |    |
|            |             | CH3 (V3) -15V          | 1A                  | 15W                  |                         |    |     |    |
|            |             | CH4 (V4) 12V           | 6A                  | 72W                  |                         |    |     |    |
|            | LWQ200-5FF4 | CH1 (V1) 5V            | 25A                 | 125W                 | 200W                    |    |     |    |
|            |             | CH2 (V2) +15V          | 3.2A                | 48W                  |                         |    |     |    |
|            |             | CH3 (V3) -15V          | 1A                  | 15W                  |                         |    |     |    |
|            |             | CH4 (V4) 24V           | 3A                  | 72W                  |                         |    |     |    |

- Request customer specification for further details of specifications, outline, characteristics, etc.
- Read the instruction manual before usage.
- Contact us about delivery before ordering.

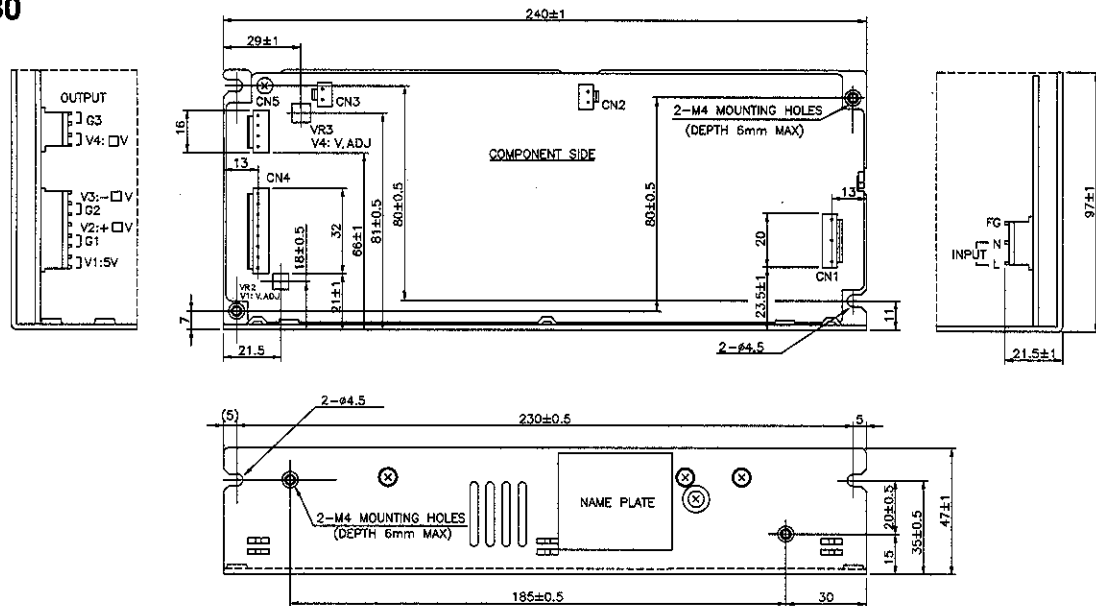
○ : Safety standard approved  
△ : Conforms to safety standard

# LWQ-SERIES

**LAMBDA**  
DENSEI-LAMBDA

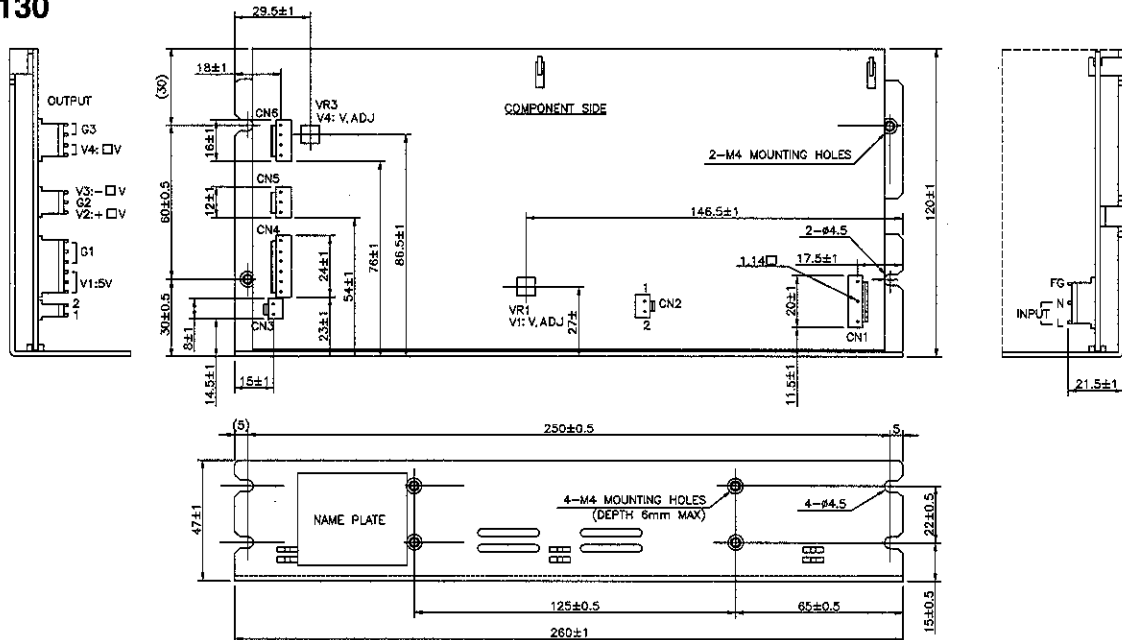
Unit Type Power Supply

## ■ LWQ80



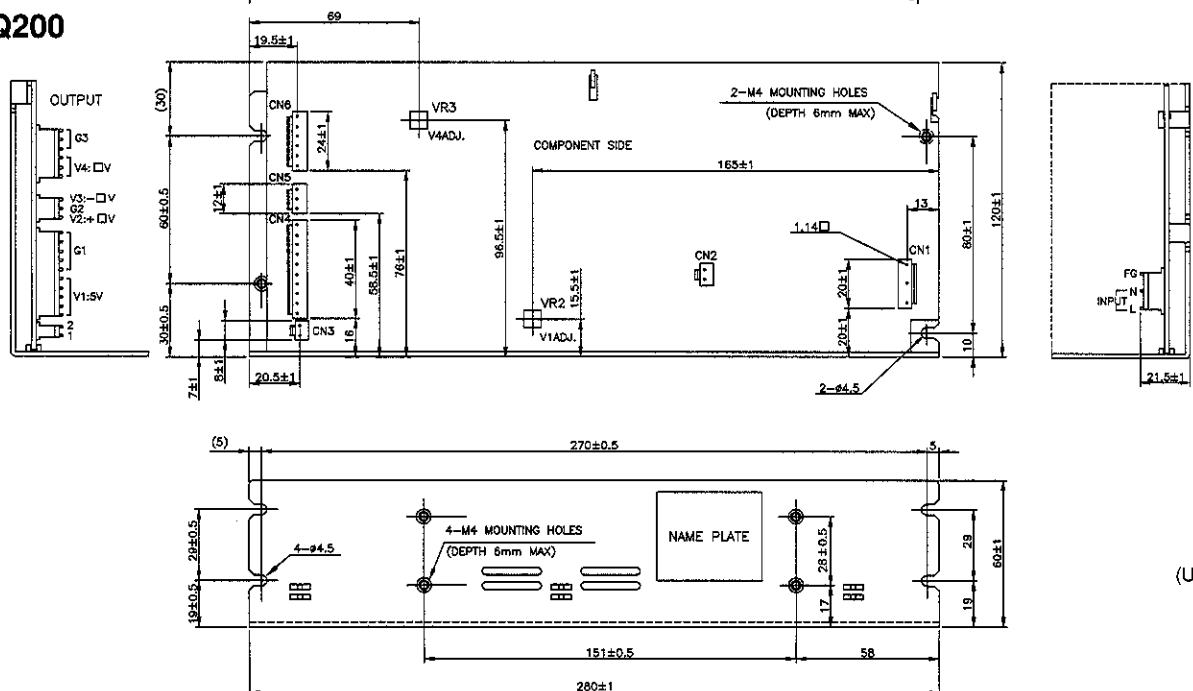
(Unit: mm)

## ■ LWQ130



(Unit: mm)

## ■ LWQ200



(Unit: mm)