

**FEATURES**

- Wide-Range Input Voltage
- Industry-Standard Pin Out
- Adjustable Output Voltage (60% - 110%)
- Remote ON/OFF
- Remote Sense
- Constant Frequency
- Thermal Shutdown
- High Power Density (Up to 27.4 W/in<sup>3</sup>)

**SPECIFICATIONS****INPUT**

|                          |                           |
|--------------------------|---------------------------|
| Voltage/Current          | See Model Selection Table |
| Max. Input Current       | 6.0 A                     |
|                          | ( $V_{in} = 0$ to 72 VDC) |
| Max. Inrush Transient    | 2.0 A <sup>2</sup> s      |
| Reflected Ripple Current | 20 mA (peak-to-peak)      |
| Ripple Rejection         | 60 dB                     |

**OUTPUT**

|                         |                                    |
|-------------------------|------------------------------------|
| Output Voltage          | See Model Selection Table          |
| Set Point               | ±1%                                |
| Regulation              |                                    |
| Line                    | 0.01% (typ.)                       |
| Load                    | 0.05% (typ.)                       |
| Ripple (RMS)            |                                    |
| 3.3V, 5V                | 40 mV                              |
| 12V, 15V                | 80 mV                              |
| Noise (peak-to-peak)    |                                    |
| 3.3V, 5V                | 100 mV                             |
| 12V, 15V                | 150 mV                             |
|                         | (measured with a 20 MHz bandwidth) |
| Temperature Drift       | ±0.01%/°C                          |
| Overvoltage Protection  | 120%                               |
| Current Limit Inception | 115%                               |
| Short Circuit Current   | 130%                               |
| Efficiency              | See Model Selection Table          |

## Isolation

|             |         |
|-------------|---------|
| Voltage     | 500 VDC |
| Capacitance | 2000 pf |
| Resistance  | > 10 MΩ |

**ENVIRONMENTAL**

|                      |               |
|----------------------|---------------|
| Operating Case Temp. | -40 to +100°C |
| Storage Temp.        | -40 to +110°C |

**MECHANICAL**

|                  |                                                |
|------------------|------------------------------------------------|
| Size (W x D x H) | 2.40 x 2.28 x 0.50 inches<br>(61 x 58 x 13 mm) |
| Weight           | 3.5 oz. (99 g)                                 |

See drawing on page 110

**MODEL SPECIFICATIONS**

| Output   |           | Input Range    |        |                |        |
|----------|-----------|----------------|--------|----------------|--------|
| Volts    | Amps      | 24 (18-36) VDC |        | 48 (36-72) VDC |        |
|          |           | Model          | Effic. | Model          | Effic. |
| 2.0 VDC  | 0 - 15A   | HWE02015       | 70%    | HWG02015       | 71%    |
| 3.3 VDC  | 0 - 15A   | HWE03015       | 78%    | HWG03015       | 80%    |
| 5.0 VDC  | 0 - 15A   | HWE05015       | 82%    | HWG05015       | 85%    |
| 12.0 VDC | 0 - 6.25A | HWE126R2       | 85%    | HWG126R2       | 87%    |
| 15.0 VDC | 0 - 5A    | HWE15005       | 85%    | HWG15005       | 88%    |
| 24.0 VDC | 0 - 3.13A | HWE243R1       | 85%    | HWG243R1       | 88%    |