



## FEATURES

- Dual and Triple Output
- Industry-Standard Pin Out
- Common or Separate Output Grounds
- Low Output Noise
- Metal Case
- Remote ON/OFF
- Current Limit
- Overvoltage Protection
- MTBF > 3,000,000 Hours (40°C)
- Meets FCC Level A

## SPECIFICATIONS

### INPUT

|                           |                           |
|---------------------------|---------------------------|
| Voltage/Current           | See Model Selection Table |
| Max. Input Current        | 3.0 A                     |
| ( $V_{in} = 0$ to 72 VDC) |                           |
| Max. Inrush Transient     | 0.8 A <sup>2</sup> s      |
| Reflected Ripple Current  | 25 mA (peak-to-peak)      |
| Ripple Rejection          | 50 dB                     |

### OUTPUT

|                      |                                    |
|----------------------|------------------------------------|
| Output Voltage       | See Model Selection Table          |
| Set Point            |                                    |
| Dual (all)           | ±2%                                |
| Triple               |                                    |
| 5V                   | ±1%                                |
| Aux.                 | ±3%                                |
| Regulation           |                                    |
| Line/Load            |                                    |
| Dual                 | ±0.05%                             |
| Triple               |                                    |
| 5V                   | ±0.05%                             |
| Aux.                 | ±5%                                |
| Ripple (RMS)         |                                    |
| ±5V                  | 7 mV                               |
| ±12V                 | 10 mV                              |
| ±15V                 | 15 mV                              |
| Noise (peak-to-peak) |                                    |
| ±5V                  | 40 mV                              |
| ±12V/±15V            | 50 mV                              |
| 5V (triple)          | 50 mV                              |
| Aux. (triple)        | 75 mV                              |
|                      | (measured with a 20 MHz bandwidth) |
| Temperature Drift    | ±0.01%/°C                          |

Overvoltage Protection   Dual output units have independent overvoltage clamps for each output with a set point of 120% of the nominal output voltage. Triple output units have an overvoltage clamp for the main 5V output set at 6.0 VDC.

|                                  |                                   |
|----------------------------------|-----------------------------------|
| Current Limit Inception          | 200%                              |
| Short Circuit Current            | 175%                              |
| Efficiency                       | 82% (typ.)                        |
| Dynamic Response ( $V_{O\tau}$ ) |                                   |
| Deviation                        | 80 mV (typ.)                      |
| Recovery                         | 1 mS (typ.)                       |
|                                  | (+25% or -25% from 1° = 50% max.) |

|               |   |
|---------------|---|
| Isolation     |   |
| Voltage       | 500 VDC   |
| Capacitance   | 1200 pF   |
| Resistance    | > 10 MΩ   |
| Remote ON/OFF | TTL open-collector compatible. Logic HI disables unit; logic LO enables unit. |

### ENVIRONMENTAL

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

## MODEL SPECIFICATIONS

| Output            |             |                   |             |                   |             | Model & Input Voltage |                |
|-------------------|-------------|-------------------|-------------|-------------------|-------------|-----------------------|----------------|
| Output No. 1 (V1) |             | Output No. 2 (V2) |             | Output No. 3 (V3) |             | 24 (18-36) VDC        | 48 (36-72) VDC |
| Volts             | Amps        | Volts             | Amps        | Volts             | Amps        |                       |                |
| +5V               | 0.5 - 5.0A  | +12V              | 0.1 - 1.0A  | -12V              | 0.1 - 1.0A  | HUE025/01             | HUW025/01      |
| +5V               | 0.5 - 5.0A  | +15V              | 0.1 - 0.83A | -15V              | 0.1 - 0.83A | HUE025/02             | HUW025/02      |
| +5V               | 0.5 - 2.5A  | -5V               | 0.5 - 2.5A  | —                 | —           | HUE025/03             | HUW025/03      |
| +12V              | 0.1 - 1.04A | -12V              | 0.1 - 1.04A | —                 | —           | HUE025/04             | HUW025/04      |
| +15V              | 0.1 - 0.83A | -15V              | 0.1 - 0.83A | —                 | —           | HUE025/05             | HUW025/05      |

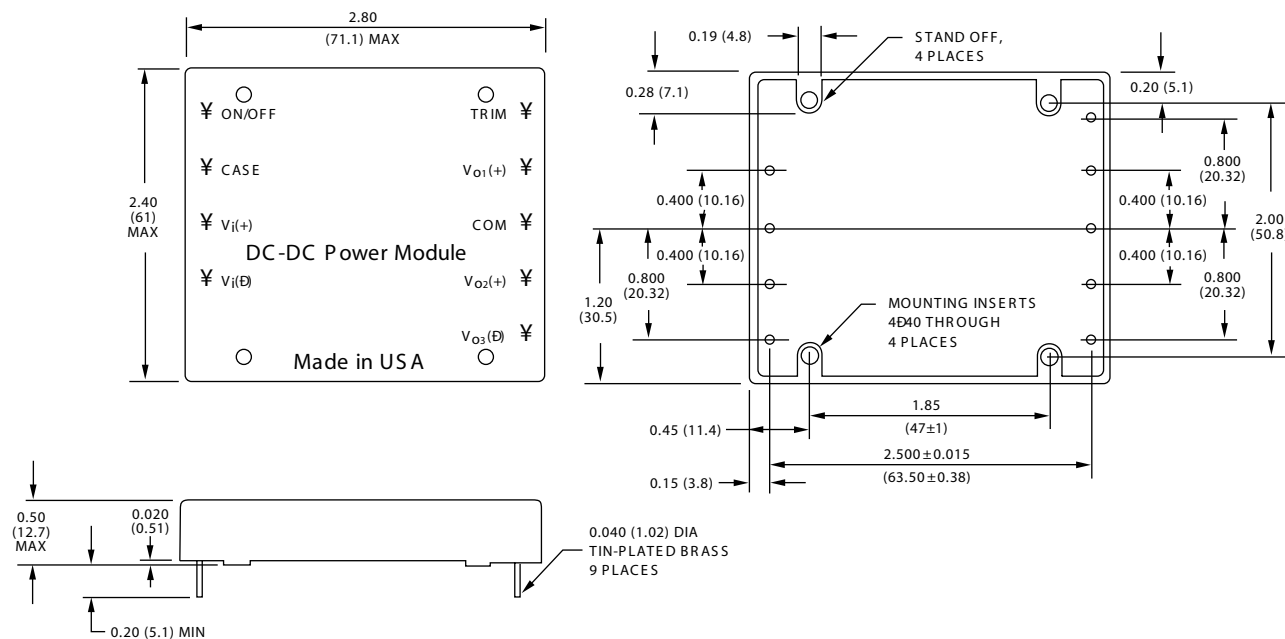
Units with suffix 03, 04 and 05 are configured with independent grounds. For common ground version of these versions, add suffix "-C".

The triple-output models are designed so that the main output can provide up to 25 watts and the auxiliaries up to 15 watts (combined) as long as the total package output does not exceed the rated 25 watts. The output voltages can be trimmed up to ± 10%.

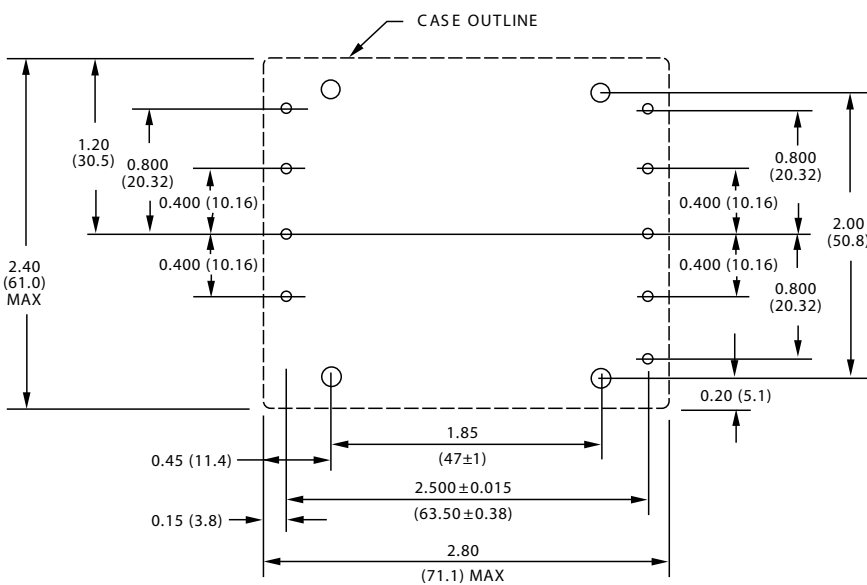
The dual-output models are designed so that each output can provide up to 12.5 watts of individually regulated and current limited power.

## MECHANICAL SPECIFICATIONS

Size (W x D x H) 2.8 x 2.4 x 0.50 inches (71 x 61 x 13 mm)  
 Weight 3.5 oz. (99 g)



## RECOMMENDED HOLE PATTERN



Dimensions in inches; ( ) Dimensions in mm.