

## DCH5 Series

5 Watts

**Total Power:** 5 Watts  
**Input Voltage:** 100 - 240 Vac  
**# of Outputs:** Single



### Special Features

- USB Switching wallmount power supply
- Universal AC input
- Available in various country AC plugs
- CE Mark EMC & LVD & ErP 2011
- Regulated output
- Overload and short circuit protection
- Constant voltage, constant current
- Energy Star Efficiency Level V
- Eup compliant
- Built in EMI filter (CISPR 22 Class B)
- Cable less with - USB-A receptacle

### Safety

- **UL + cUL** 60950-1
- **TUV** 60950-1
- **NEMKO** 60950-1
- **NSW** 60950-1
- **C-Tick** 60950-1
- **CE** EMC & LVD & ErP 2011 for EU & UK versions

## Electrical Specifications

| Input                          |                                                                                                    |
|--------------------------------|----------------------------------------------------------------------------------------------------|
| Input range:                   | 100 - 240 Vac (wide range)                                                                         |
| Frequency:                     | 47 - 63 Hz                                                                                         |
| EMI/RFI:                       | FCC Part 15, Subpart B Class B & EN55022 (CISPR 22) Class B & EMC                                  |
| Safety ground leakage current: | 20 $\mu$ A @ 60 Hz, 264 Vac input                                                                  |
| Output                         |                                                                                                    |
| Voltage (Vo):                  | 5 V (4.75 - 5.25 V)                                                                                |
| Maximum Power (Po):            | 5 W                                                                                                |
| Hold-up time:                  | 10 ms. typical at full load @ 115 Vac / 60 Hz                                                      |
| Overvoltage protection:        | 7 V max.<br>Latching type                                                                          |
| Overload protection:           | Output short circuit protection auto recover<br>Overload protected 110 - 150% above maximum rating |
| Output:                        | USB Type A receptacle                                                                              |
| Connector Pinout:              | Pin 1: +V, Pin 2 and Pin 3 connected together<br>Pin 4: Ground                                     |

## Environmental Specifications

|                                 |                                         |
|---------------------------------|-----------------------------------------|
| Operating temperature:          | 0° to 40 °C ambient                     |
| Storage temperature:            | -20 °C to +70 °C                        |
| Electromagnetic susceptibility: | Designed to meet EN55082-1              |
| Humidity:                       | Operating; non-condensing 20% to 90% RH |
| Vibration:                      | Per IEC 60068-2-6                       |

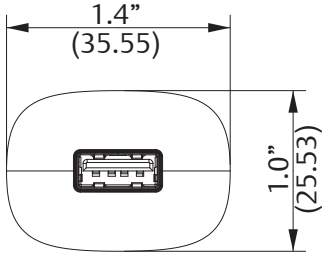
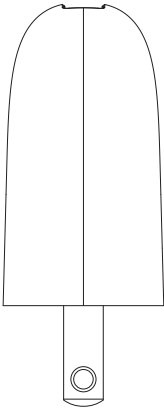
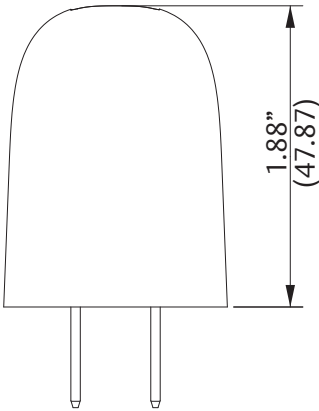
### Ordering Information

| Model Number | Maximum Power | Output Voltage | Minimum Load | Maximum Load | Ripple<br>P/P (PARD) <sup>1</sup> | Connector |
|--------------|---------------|----------------|--------------|--------------|-----------------------------------|-----------|
| DCH5-050US   | 5 W           | 5 V            | 0            | 1 A          | 200 mV                            | USB-A     |
| DCH5-050EU   | 5 W           | 5 V            | 0            | 1 A          | 200 mV                            | USB-A     |
| DCH5-050UK   | 5 W           | 5 V            | 0            | 1 A          | 200 mV                            | USB-A     |
| DCH5-050AU   | 5 W           | 5 V            | 0            | 1 A          | 200 mV                            | USB-A     |

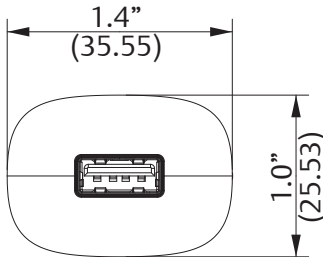
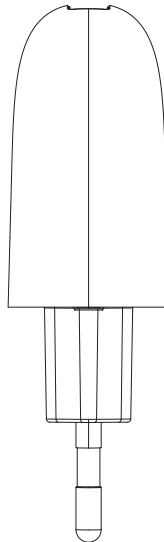
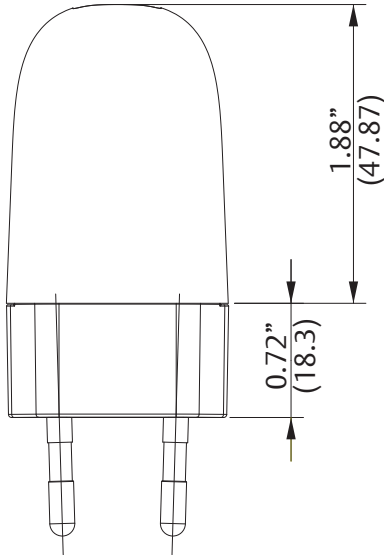
1. Peak-to-peak with 20 MHz bandwidth and 10  $\mu$ F (tantalum capacitor) in parallel with a 0.1  $\mu$ F capacitor at rated line voltage and load ranges.
2. Output should not be grounded for EMI purpose.

### Mechanical Drawing

#### DCH5-050US

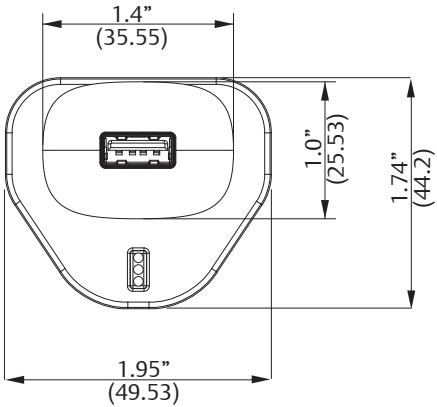
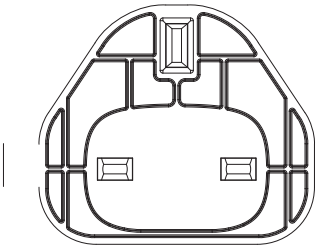
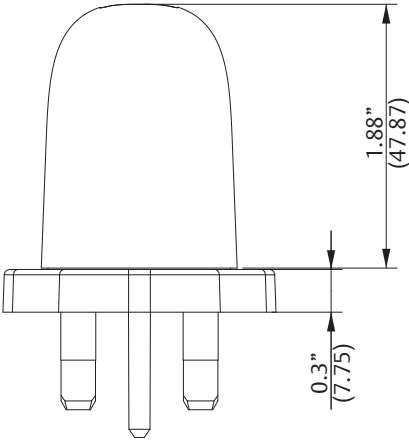


#### DCH5-050EU

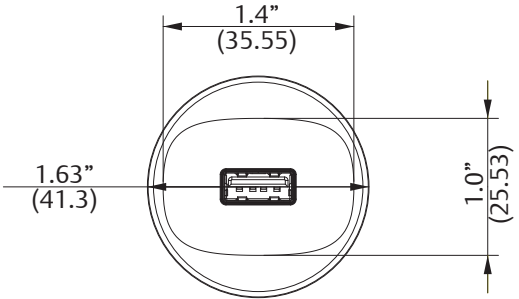
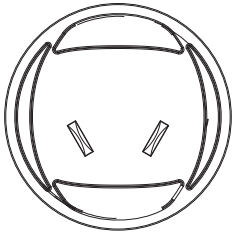
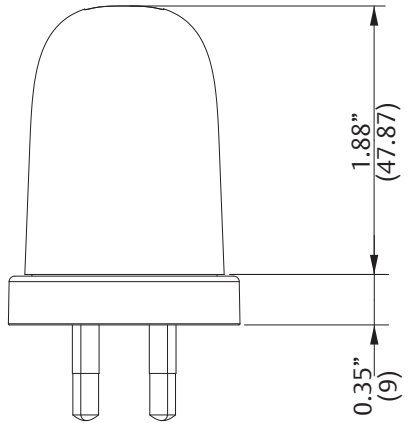


Mechanical Drawing

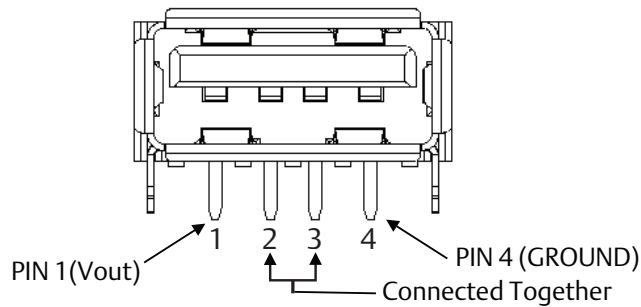
DCH5-050UK



DCH5-050AU



## Pin Assignments



### Pin Numbers

#### Notes:

1. Specifications subject to change without notice.
2. All dimensions in inches (mm), tolerance is  $\pm .02$ ".
3. Warranty: 2 years
4. Weight: 0.144 lb. / 0.066kg.

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