

DCH5 Series

5 Watts

Data Sheet

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)
- Cableless 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 μ 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. Latching type
Overload protection	Output short circuit protection auto recover Overload protected 110 - 150% above maximum rating
Output	USB Type A receptacle
Connector Pinout	Pin 1: +V, Pin 2 and Pin 3 connected together 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

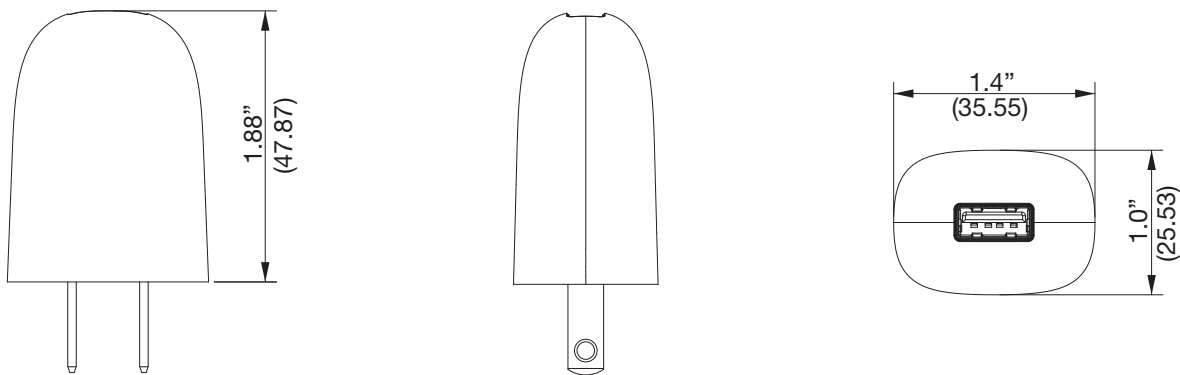
Ordering Information

Model Number	Maximum Power	Output Voltage	Minimum Load	Maximum Load	Ripple P/P (PARD) ¹	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

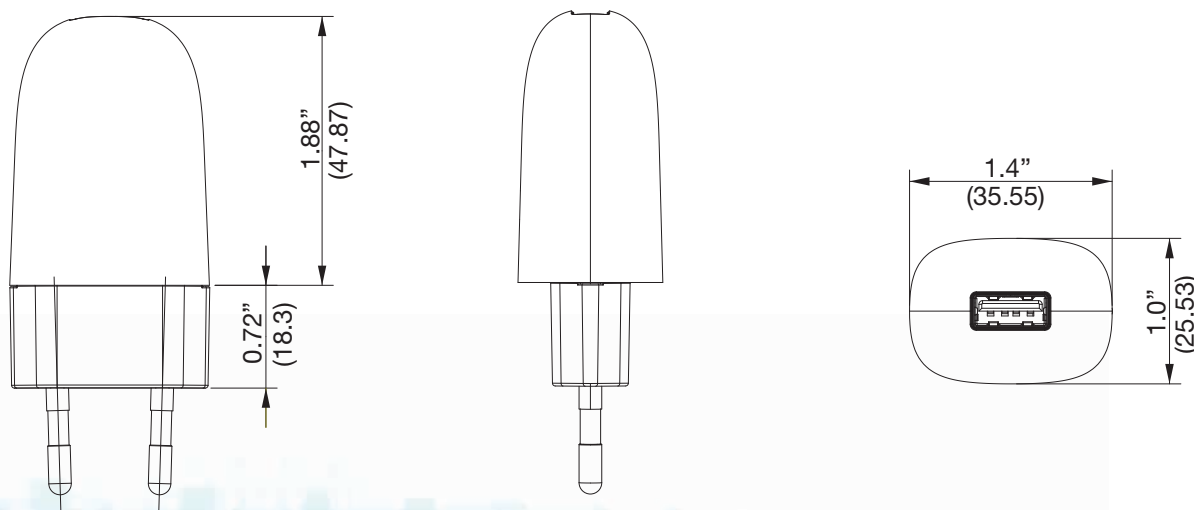
1. Peak-to-peak with 20 mHz bandwidth and 10 μ F (tantalum capacitor) in parallel with a 0.1 μ F capacitor at rated line voltage and load ranges.
2. Output should not be grounded for EMI purpose.

Mechanical Drawing

DCH5-050US

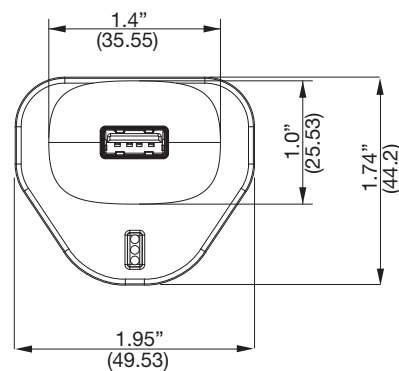
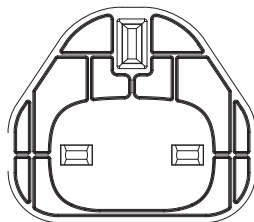
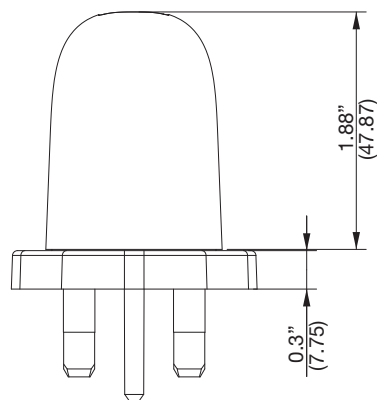


DCH5-050EU

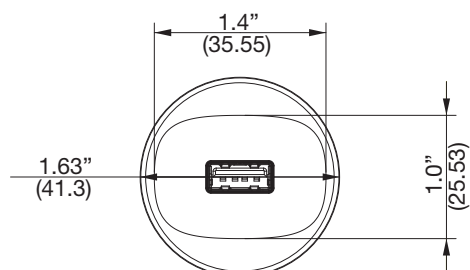
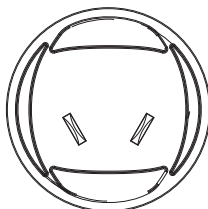
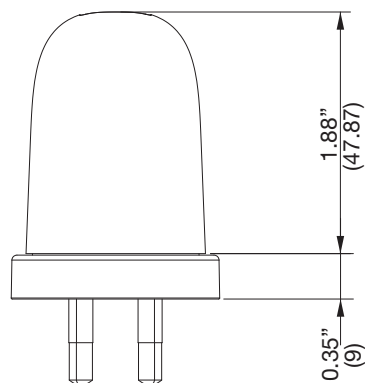


Mechanical Drawing

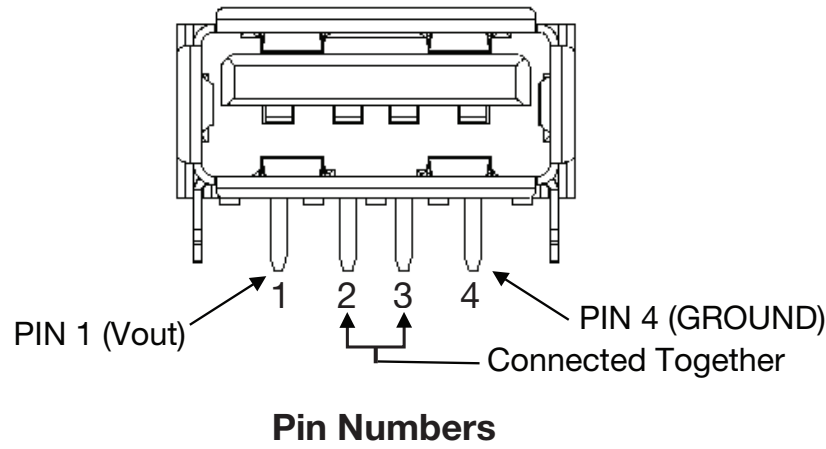
DCH5-050UK



DCH5-050AU



Pin Assignments



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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