

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 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

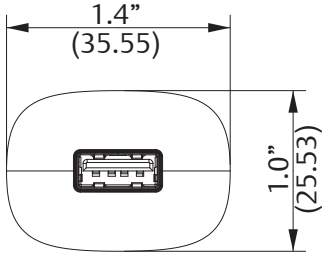
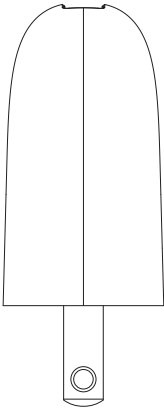
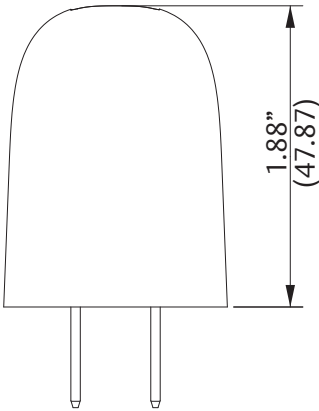
Ordering Information

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

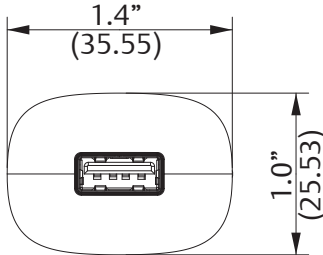
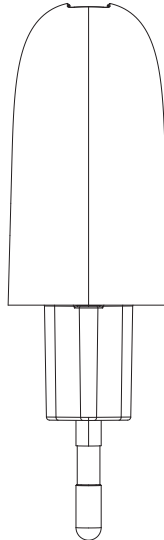
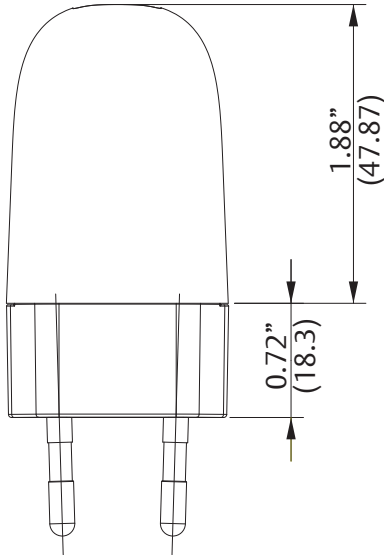
1. Peak-to-peak with 20 MHz bandwidth and 10 μ F (tantalum capacitor) in parallel with a 0.1 μ F capacitor at rated line voltage and load ranges.
2. Output should not be grounded for EMI purpose.

Mechanical Drawing

DCH5-050US

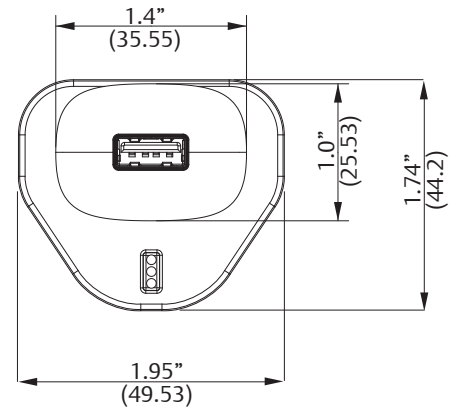
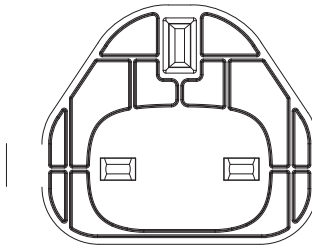
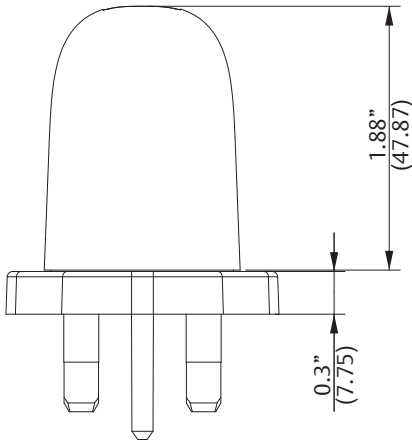


DCH5-050EU

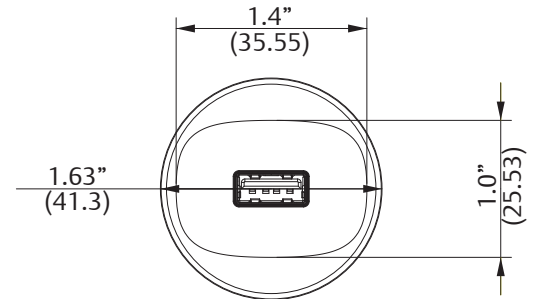
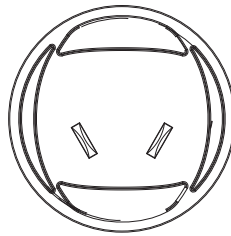
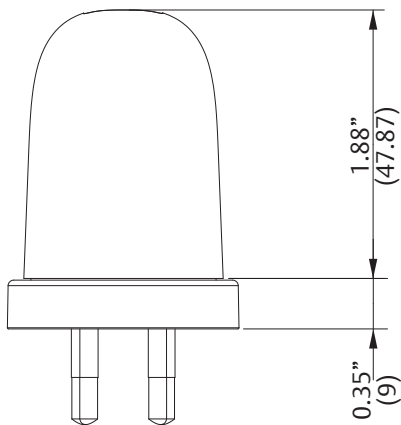


Mechanical Drawing

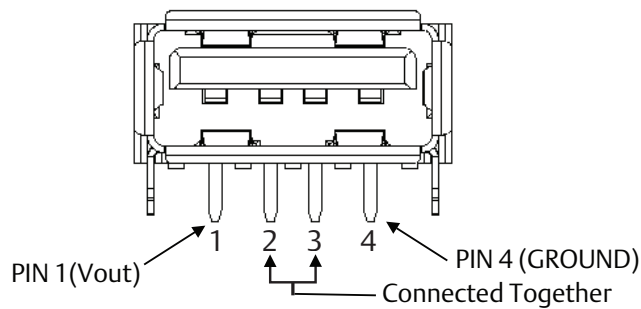
DCH5-050UK



DCH5-050AU



Pin Assignments



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.

Americas

5810 Van Allen Way
Carlsbad, CA 92008
USA
Telephone: +1 760 930 4600
Facsimile: +1 760 930 0698

Europe (UK)

Waterfront Business Park
Merry Hill, Dudley
West Midlands, DY5 1LX
United Kingdom
Telephone: +44 (0) 1384 842 211
Facsimile: +44 (0) 1384 843 355

Asia (HK)

14/F, Lu Plaza
2 Wing Yip Street
Kwun Tong, Kowloon
Hong Kong
Telephone: +852 2176 3333
Facsimile: +852 2176 3888

For global contact, visit:

www.Emerson.com/EmbeddedPower
techsupport.embeddedpower@emerson.com

While every precaution has been taken to ensure accuracy and completeness in this literature, Emerson Network Power assumes no responsibility, and disclaims all liability for damages resulting from use of this information or for any errors or omissions.

Emerson Network Power.

The global leader in enabling
business-critical continuity.

- AC Power
- Connectivity
- DC Power
- Embedded Computing
- Embedded Power**
- Monitoring
- Outside Plant
- Power Switching & Controls
- Precision Cooling
- Racks & Integrated Cabinets
- Services
- Surge Protection

EmersonNetworkPower.com

Emerson Network Power and the Emerson Network Power logo are trademarks and service marks of Emerson Electric Co.
©2011 Emerson Electric Co.