

DCH3 Series

3 Watts

Data Sheet

Total Power: 3 Watts
Input Voltage: 100 - 254 Vac
of Outputs: Single

SPECIAL FEATURES

- USB switching wallmount power supply
- Universal AC input
- Available in multiple AC plug configurations
- CE Mark EMC & LVD, & ErP 2011 for EU versions
- Regulated output
- Overload and short circuit protection
- Constant voltage, constant current
- Efficiency Level VI
- Built in EMI filter (CISPR 22 Class B)
- Available in various output connectors
- Mini USB 2.0 dc output plug - 0005
- Micro USB 2.0 dc output plug - 0006

SAFETY

- UL 60950/6500
- cUL 60950/6500
- TUV 60950
- NEMKO 60950
- CB Certificate and report
- CE EMC, LVD & ErP 2011 for EU & UK versions
- CTIA
- ENEC



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 & EMC89/336/EEC
Safety ground leakage current	10 μ A @ 50/60 Hz, 230 Vac input
Output	
Voltage (Vo)	5 V (4.75 - 5.25 V)
Maximum power (Po)	3 W
Hold-up time	25 ms. typical at full load @ 115 Vac
Overvoltage protection	Single fault 10.5 V max. latching type
Overload protection	Output short circuit protection auto recover Overload protected > 800 mA
Output	DC cable with Mini USB 2.0 -0005 suffix and Micro USB 2.0 -0006
Connector pinout	Pin 1: +V Pin 5: ground

Environmental Specifications

Operating temperature	0° to 45 °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

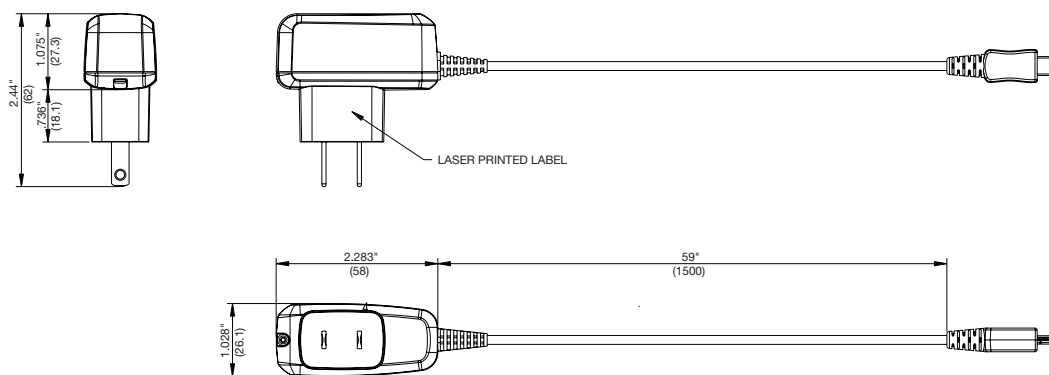
Ordering Information

Model Number	Maximum Power	Output Voltage	Minimum Load	Maximum Load	Ripple P/P (PARD) ¹	Connector
DCH3-050US-0005	3 W	5 V	0	0.55 A	200 mV	Mini USB 2.0
DCH3-050EU-0005	3 W	5 V	0	0.55 A	200 mV	Mini USB 2.0
DCH3-050UK-0005	3 W	5 V	0	0.55 A	200 mV	Mini USB 2.0
DCH3-050US-0006	3 W	5 V	0	0.55 A	200 mV	Micro USB 2.0
DCH3-050EU-0006	3 W	5 V	0	0.55 A	200 mV	Micro USB 2.0
DCH3-050UK-0006	3 W	5 V	0	0.55 A	200 mV	Micro USB 2.0

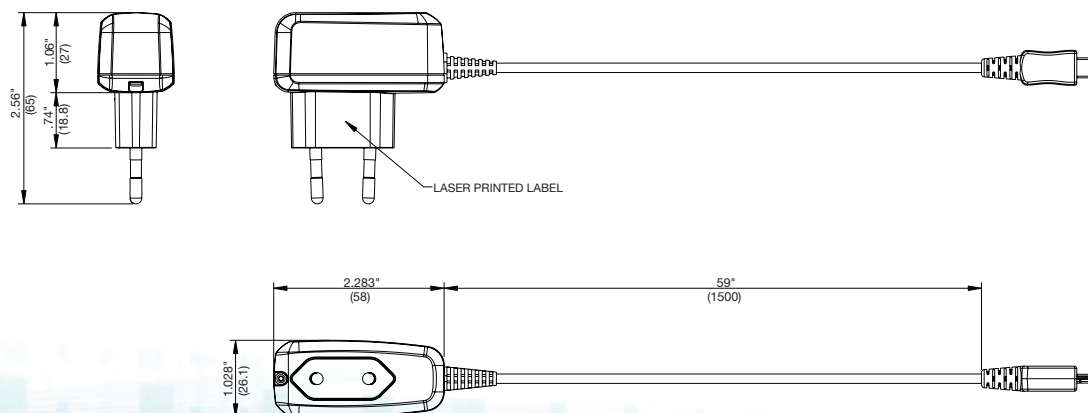
1. Peak-to-peak with 20 MHz bandwidth and 10 μ F (tantalum capacitor) in parallel with a 0.1 μ F capacitor at rated line voltage and load ranges.
2. Output should not be grounded for EMI purpose.

Mechanical Drawing

DCH3-050US - 0005 & 0006

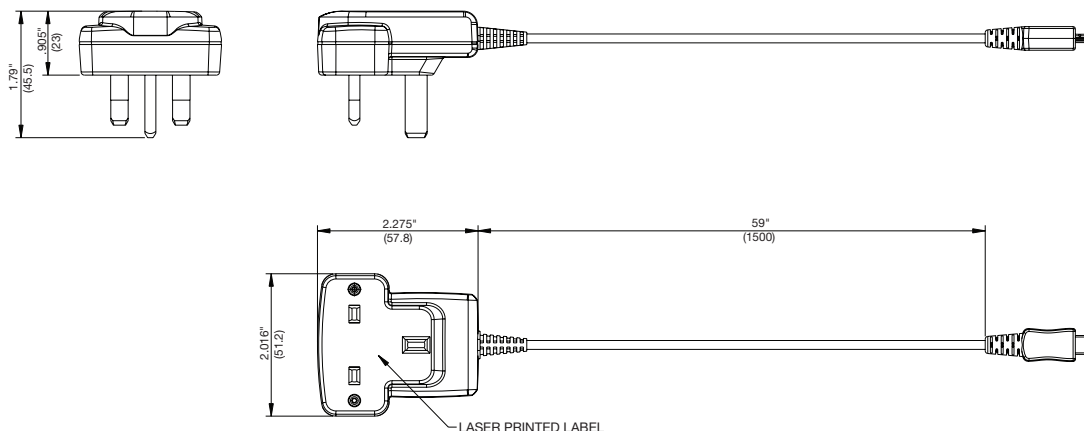


DCH3-050EU - 0005 & -0006

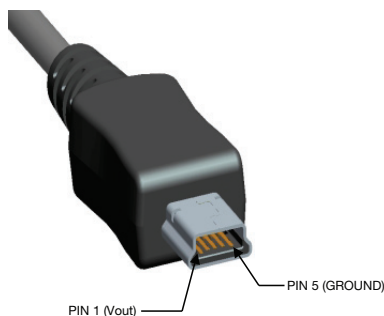


Mechanical Drawing

DCH3-050UK - 0005 & - 0006



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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DCH3 Series-DS 01Jun2017