

RLITECH

HDC01 Series



Features

- Low Cost
- Ultra Miniature SIP
- Fully Encapsulated Plastic Case
- Available RoHS Compliant
- Industry -Standard Package and Pinout
- 19.60 x6.00x 10.16 mm package
- 2 Years Warranty

SAFETY&EMC

SAFETY

- UL UL60950-1(Pending)
- TUV EN60950-1(Pending)

EMC

- Conduction EN55022 (Class A)
- Radiation EN55022 (Class A)

Specifications

Input

- Input Voltage Range 4.5~5.5Vdc(5V Nom.)
10.8~13.2Vdc(12V Nom.)
13.5~16.5Vdc(15V Nom.)
21.6~26.4Vdc(24V Nom.)

- Input Filter C Type

Output

- Output Power 1W
- Min Load Current 10%
- Voltage Accuracy $\pm 5\%$
- Line Regulation $\pm 1.2\%$ (1% Vin)
- Load Regulation $\pm 15\%$ (10%~100% load)
- Temperature Coefficient $\pm 0.02\%$
- Ripple/Noise 100mV(Signal)
75mV(Dual)

Protection

- Short Circuit Protection (Short Time / 1sec)

General

- Isolation Voltage (In/Out) 1000 Vdc
- Isolation Capacitance 75pF
- Isolation Resistance 10G ohm
- Case Material Plastic(UL94-V0)
- Weight 2.2g

Environmental

- Operating Temperature $-40^{\circ}\text{C} \sim 85^{\circ}\text{C}$ (Derating)
- Storage Temperature $-55^{\circ}\text{C} \sim 125^{\circ}\text{C}$
- Cooling Free air convection
- Humidity 20% ~ 95%RH
- MTBF >2.0Million hours

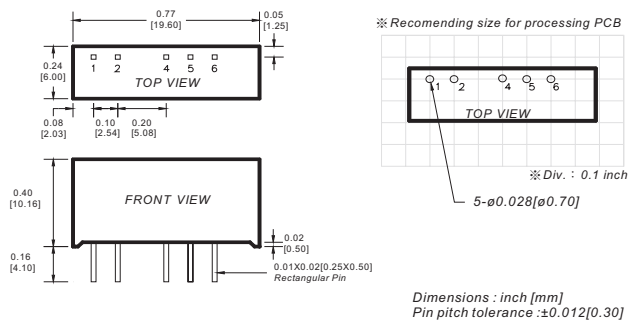
SBS Power Electronic GmbH & Co.KG
 Weidenstrasse 19, 21635 Jork
 Tel:04162-911123 Info@SBS-Power.de

Ordering Information

Module Number	Output Voltage	Output Current	Efficiency	Capacitor Load
HDC01-05S3P3	3.3V	300mA	68%	10uF
HDC01-05S05	5V	200mA	70%	10uF
HDC01-05S12	12V	84mA	78%	6.8uF
HDC01-05S15	15V	66mA	80%	6.8uF
HDC01-05S24	24V	42mA	82%	6.8uF
HDC01-12S3P3	3.3V	300mA	68%	10uF
HDC01-12S05	5V	200mA	70%	10uF
HDC01-12S12	12V	84mA	78%	6.8uF
HDC01-12S15	15V	66mA	80%	6.8uF
HDC01-12S24	24V	42mA	82%	6.8uF
HDC01-15S3P3	3.3V	300mA	68%	10uF
HDC01-15S05	5V	200mA	70%	10uF
HDC01-15S12	12V	84mA	78%	6.8uF
HDC01-15S15	15V	66mA	80%	6.8uF
HDC01-15S24	24V	42mA	82%	6.8uF
HDC01-24S3P3	3.3V	300mA	68%	10uF
HDC01-24S05	5V	200mA	70%	10uF
HDC01-24S12	12V	84mA	78%	6.8uF
HDC01-24S15	15V	66mA	80%	6.8uF
HDC01-24S24	24V	42mA	82%	6.8uF
HDC01-05D05	± 5V	±100mA	70%	± 4.7uF
HDC01-05D12	±12V	± 42mA	78%	± 3.3uF
HDC01-05D15	±15V	± 33mA	80%	± 3.3uF
HDC01-12D05	± 5V	±100mA	70%	± 4.7uF
HDC01-12D12	±12V	± 42mA	78%	± 3.3uF
HDC01-12D15	±15V	± 33mA	80%	± 3.3uF
HDC01-15D05	± 5V	±100mA	70%	± 4.7uF
HDC01-15D12	±12V	± 42mA	78%	± 3.3uF
HDC01-15D15	±15V	± 33mA	80%	± 3.3uF
HDC01-24D05	± 5V	±100mA	70%	± 4.7uF
HDC01-24D12	±12V	± 42mA	78%	± 3.3uF
HDC01-24D15	±15V	± 33mA	80%	± 3.3uF

Pin Define

Pin No.	1	2	4	5	6
Single	+VI	-VI	-VO	NO PIN	+VO
Dual	+VI	-VI	-VO	COM	+VO



Notes

- All specification are typical at nominal line, full load, and 25 °C ambient air temperature.
- Ripple/Noise measured with a 1uF M/C (20MHz bandwidth).
- Certain applications may require to install an external 0.5A slow blow type fuse in front of the input.