

RLITECH

HDC02 Series



Features

- Low Cost
- Ultra Miniature SIP
- Fully Encapsulated Plastic Case
- Available RoHS Compliant
- Industry -Standard Package and Pinout
- 19.60 x7.05x 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 *2W*
- Min Load Current *10%*
- Voltage Accuracy *±5%*
- Line Regulation *±1.2%(1% Vin)*
- Load Regulation *±15%(10%~100% load)*
- Temperature Coefficient *±0.02%*
- Ripple/Noise *150mV*

Protection

- Short Circuit Protection *(Short Time / 1sec)*

General

- Isolation Voltage (In/Out) *1000 Vdc*
- Isolation Capacitance *19pF*
- Isolation Resistance *10G ohm*
- Case Material *Plastic(UL94-V0)*
- Weight *2.7g*

Environmental

- Operating Temperature *-40°C~85°C (Derating)*
- Storage Temperature *-55°C~125°C*
- Cooling *Free air convection*
- Humidity *20% ~ 95%RH*
- MTBF *>2.0Million hours*

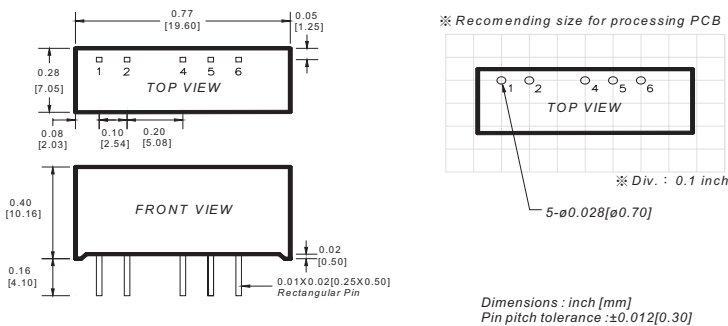
SBS Power Electronic GmbH & Co.KG
 Weidenstrasse 19, 21635 Jork
 Tel:04162-911123 Info@SBS-Power.de

Ordering Information

Module Number	Output Voltage	Output Current	Efficiency	Capacitor Load
HDC02-05S3P3	3.3V	606mA	68%	22uF
HDC02-05S05	5V	400mA	70%	22uF
HDC02-05S12	12V	166mA	75%	22uF
HDC02-05S15	15V	133mA	78%	10uF
HDC02-05S24	24V	83mA	80%	10uF
HDC02-12S3P3	3.3V	606mA	68%	22uF
HDC02-12S05	5V	400mA	70%	22uF
HDC02-12S12	12V	166mA	75%	22uF
HDC02-12S15	15V	133mA	78%	10uF
HDC02-12S24	24V	83mA	80%	10uF
HDC02-15S3P3	3.3V	606mA	68%	22uF
HDC02-15S05	5V	400mA	70%	22uF
HDC02-15S12	12V	166mA	75%	22uF
HDC02-15S15	15V	133mA	78%	10uF
HDC02-15S24	24V	83mA	80%	10uF
HDC02-24S3P3	3.3V	606mA	68%	22uF
HDC02-24S05	5V	400mA	70%	22uF
HDC02-24S12	12V	166mA	75%	22uF
HDC02-24S15	15V	133mA	78%	10uF
HDC02-24S24	24V	83mA	80%	10uF
HDC02-05D05	± 5V	±200mA	78%	± 10uF
HDC02-05D12	±12V	± 83mA	80%	± 5.6uF
HDC02-05D15	±15V	± 66mA	82%	± 5.6uF
HDC02-12D05	± 5V	±200mA	78%	± 10uF
HDC02-12D12	±12V	± 83mA	80%	± 5.6uF
HDC02-12D15	±15V	± 66mA	82%	± 5.6uF
HDC02-15D05	± 5V	±200mA	78%	± 10uF
HDC02-15D12	±12V	± 83mA	80%	± 5.6uF
HDC02-15D15	±15V	± 66mA	82%	± 5.6uF
HDC02-24D05	± 5V	±200mA	78%	± 10uF
HDC02-24D12	±12V	± 83mA	80%	± 5.6uF
HDC02-24D15	±15V	± 66mA	82%	± 5.6uF

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 1A slow blow type fuse in front of the input.