

ARLITECH

HDC01R Series



Features

- Low Cost
- Ultra Miniature SIP
- Internal Regulated Output
- Fully Encapsulated Plastic Case
- Available RoHS Compliant
- Industry -Standard Package and Pinout
- 19.60 x7.05x 10.16 mm package

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 *None*
- Voltage Accuracy *±5%*
- Line Regulation *±1%*
- Load Regulation *±1%*
- Temperature Coefficient *±0.02%*
- Ripple/Noise *100mV*

Protection

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

General

- Isolation Voltage (In/Out) *1000 Vdc*
- Isolation Capacitance *10pF*
- Isolation Resistance *10G ohm*
- Case Material *Plastic(UL94-V0)*
- Weight *2.8g*

Environmental

- Operating Temperature *-40°C~71°C (Derating)*
- Storage Temperature *-55°C~125°C*
- Cooling *Free air convection*
- Humidity *20% ~ 95%RH*
- MTBF *>2.0Million hours*

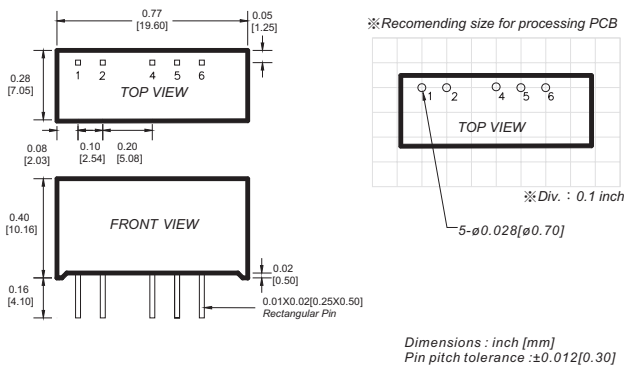
SBS Power Elektronik GmbH & Co.KG
Weidensreasse 19, 21635 Jork
Tel:04162-911123 Info@SBS-Power.de

Ordering Information

Module Number	Output Voltage	Output Current	Efficiency	Capacitor Load
HDC01R-05S05	5V	200mA	52%	10uF
HDC01R-05S12	12V	84mA	60%	6.8uF
HDC01R-05S15	15V	66mA	62%	6.8uF
HDC01R-12S05	5V	200mA	52%	10uF
HDC01R-12S12	12V	84mA	60%	6.8uF
HDC01R-12S15	15V	66mA	62%	6.8uF
HDC01R-15S05	5V	200mA	52%	10uF
HDC01R-15S12	12V	84mA	60%	6.8uF
HDC01R-15S15	15V	66mA	62%	6.8uF
HDC01R-24S05	5V	200mA	52%	10uF
HDC01R-24S12	12V	84mA	60%	6.8uF
HDC01R-24S15	15V	66mA	62%	6.8uF
HDC01R-05D05	± 5V	±100mA	53%	± 4.7uF
HDC01R-05D12	±12V	± 42mA	61%	± 3.3uF
HDC01R-05D15	±15V	± 33mA	63%	± 3.3uF
HDC01R-12D05	± 5V	±100mA	53%	± 4.7uF
HDC01R-12D12	±12V	± 42mA	61%	± 3.3uF
HDC01R-12D15	±15V	± 33mA	63%	± 3.3uF
HDC01R-15D05	± 5V	±100mA	53%	± 4.7uF
HDC01R-15D12	±12V	± 42mA	61%	± 3.3uF
HDC01R-15D15	±15V	± 33mA	63%	± 3.3uF
HDC01R-24D05	± 5V	±100mA	53%	± 4.7uF
HDC01R-24D12	±12V	± 42mA	61%	± 3.3uF
HDC01R-24D15	±15V	± 33mA	63%	± 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.