

Isolated 2W DC - DC  
Single Output Converter

HR835079

Features :

19.65x7.05mm compact size  
High efficiency up to 91%  
3000VDC I/O isolation  
Cooling by free air convection  
100% burn-in test  
Industry Standard Pinout  
RoHS Compliant (Pb Free)

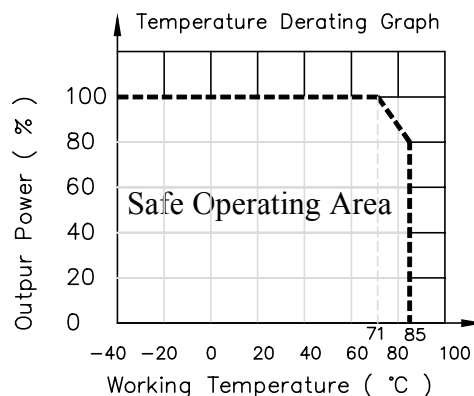
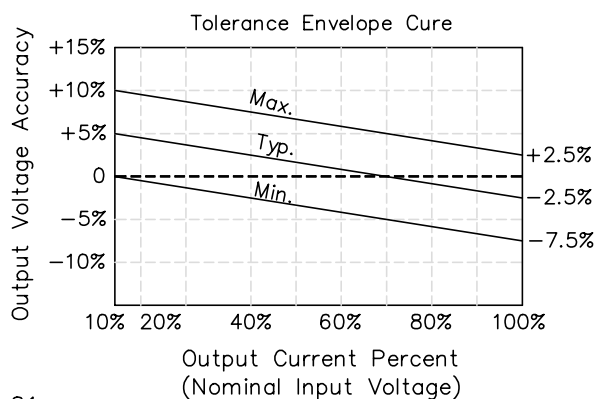
Electrical Specification @25°C

Output	DC Volatage	24V
	Current Range	8.3 ~ 83.3mA
	Rated Power	2W
	Capacitive load	220uF Max.
	Ripple & Noise	75mVp-p Max. @ BW=DC to 20MHz
	Voltage Accuracy	Tolerance Envelope Cure
	Switching Frequcy	380KHz Typ.
	Line Regulation	±1.2 @ Input voltage change: ±1%
	Load Regulation	±8% @ 10% ~ 100% load
Input	Voltage Range	5V ± 10%
	Efficiency	88% Min.@ 5Vin & full load
	DC Current	43mA typ. @ 5Vin,10% load ; 441mA typ. @ 5Vin,100% load
	Filter	Capacitor
Environment	Working Temp.	-40 ~ +85°C (Refer to temperature derating Graph)
	Working Humidity	20 ~ 90% RH non-condensing
	Storage Temp.	-55 ~ +125°C
	Storage Humidity	10 ~ 95% RH
Safety	Withstand Voltage	3000VDC Max. 0.5mA Max. 60S
	Isolation Resistance	1000M Ohms @ 500VDC 25°C
Others	Dimensions	19.65*7.05*10.10 mm (L*W*H)
	Weight	about 2.58g

Note :

- 1.All parameters are specified at normal input, rated load and 25°C ambient temperature.
- 2.Ripple & noise are measured by using a probe terminated with a 0.1uf & 47uf capacitor
- 3.Please prevent the converter from operating in overload or short circuit condition for more than 30 seconds.
- 4.This part is not designed for parallel operation.
- 5.Functional insulation .

Output Voltage Accuracy

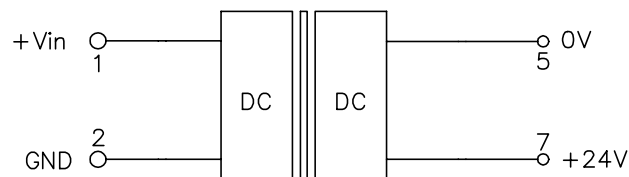


## HR835079

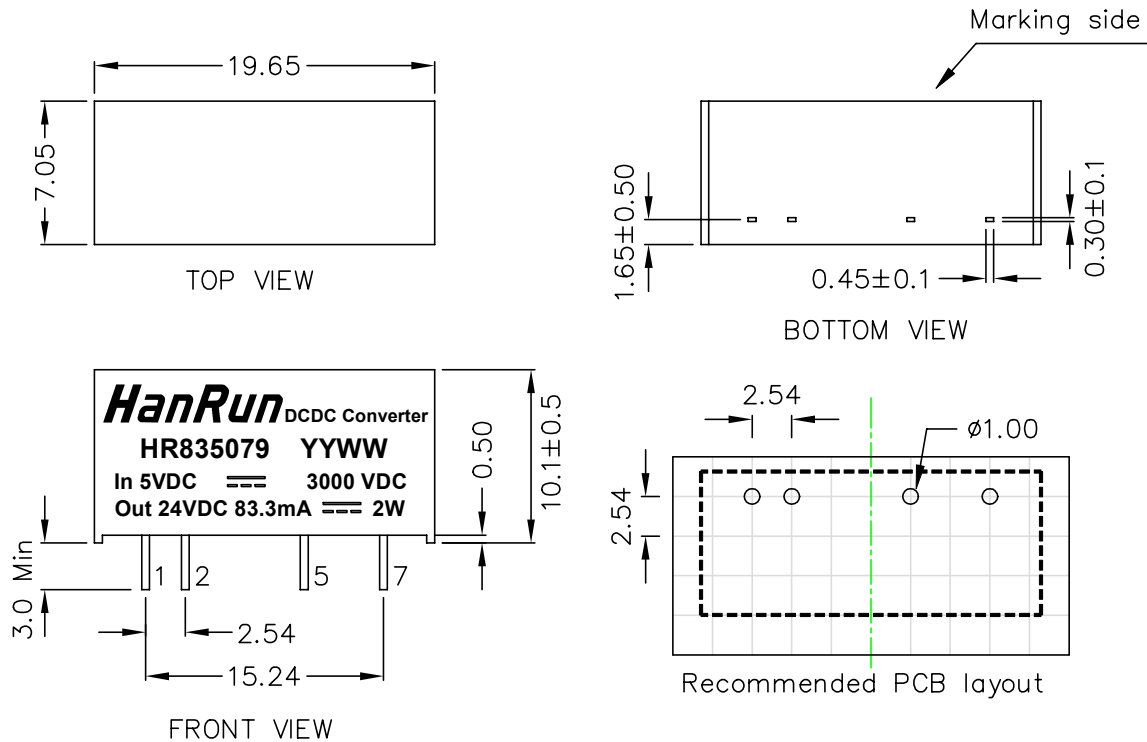
### Pin Assignment

Pin	1	2	3	4	5	6	7
Function	+Vin	GND	no pin	no pin	0V	no pin	+24V

### Recommended Test Circuit



### Mechanical Dimensions



Unless otherwise specified, Unit in mm  
Tol.: .x ± 0.5 (mm), .xx ± 0.25 (mm)