

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)

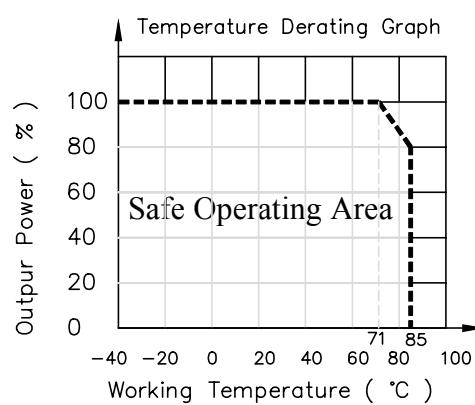
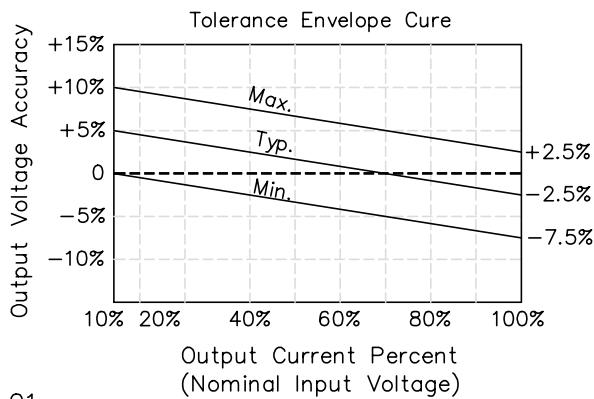
Electrical Specification @25°C

Output	DC Voltage	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 Curve
	Switching Freqency	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

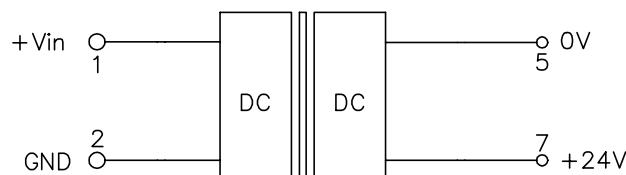


HR835079

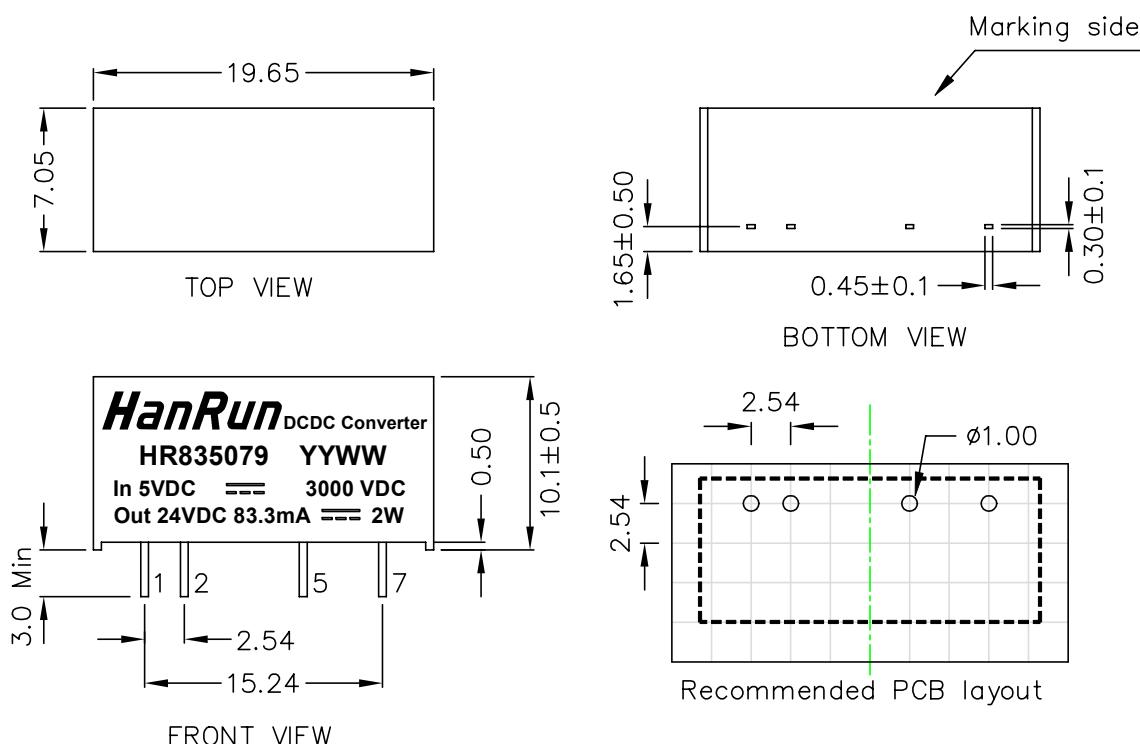
Pin Assignment

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)

REV.: 01

2 of 2