

Isolated 2W DC - DC
Single Output Converter

HR835075V

Features :

19.65x7.05mm compact size
High efficiency up to 90%
3000VDC I/O isolation
Cooling by free air convection
100% burn-in test
Industry Standard Pinout
RoHS Compliant (Pb Free)

Continuous short circuit protection
Thermal protection

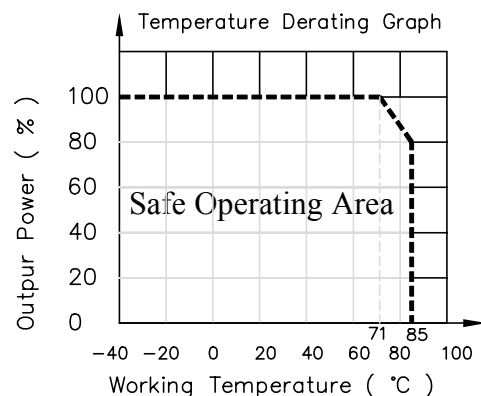
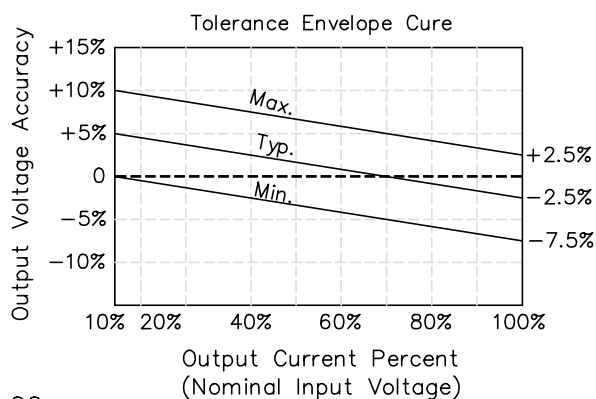
Electrical Specification @25°C

Output	DC Volatage	5V
	Current Range	40 ~ 400mA
	Rated Power	2W
	Capacitive load	2200uF Max.
	Ripple & Noise	65mVp-p Max. @ BW=DC to 20MHz
	Voltage Accuracy	Tolerance Envelope Cure
	Switching Frequcy	217KHz Typ.
	Line Regulation	±1.2 @ Input voltage change: ±1%
	Load Regulation	±10% @ 10% ~ 100% load
Input	Voltage Range	5V ± 10%
	Efficiency	88% Typ., 85% Min.@ 5Vin & full load
	DC Current	46mA 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

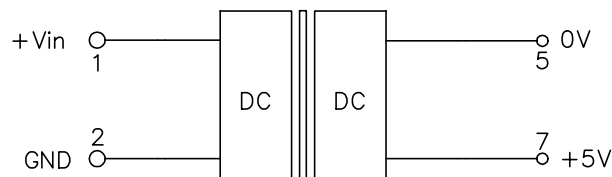


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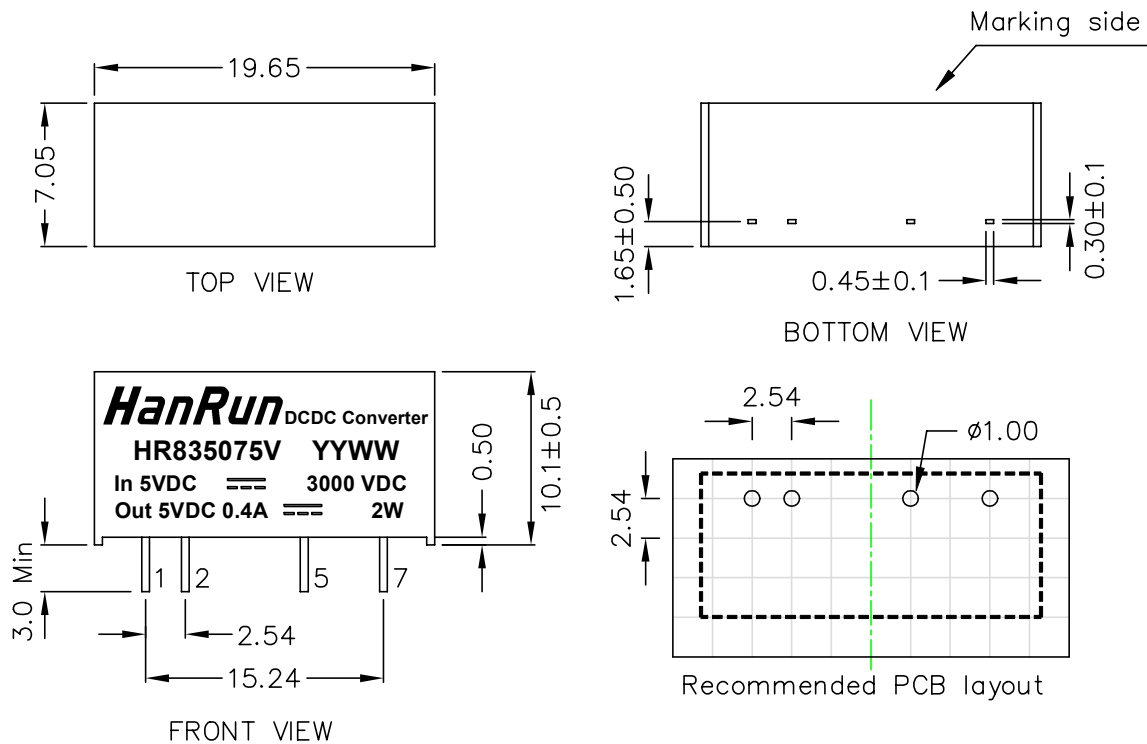
Pin Assignment

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

Recommended Test Circuit



Mechanical Dimensions



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

HR835075V packing specifications

Packing specifications

