

HR833002

Features :

50.8x25.4mm compact size  
High efficiency up to 83%  
1500VDC I/O isolation  
Cooling by free air convection  
Six-sided shield metal case  
100% burn-in test  
Low cost / High reliability  
Protections: Short circuit / Over Current  
Industry Standard Pinout  
RoHS Compliant (Pb Free)



Electrical Specification @25°C

Output	DC Volatge	5V
	Current Range	300 ~ 3000mA
	Rated Power	15W
	Ripple & Noise (note 2)	150mVp-p Max. @ BW=DC to 20MHz
	Line Regulation (note 3)	±1%
	Load Regulation (note 4)	±1%
	Voltage Accuracy	±2%
	Switching Freqency	370KHz Typ.
Input	Voltage Range	36 ~ 72VDC
	Efficiency (Typ.)	83%
	DC Current (Typ.)	10mA @ No Load / 500mA @ Full Load
	Filter	Capacitors
	Protection	External Fuse recommended
Protection (note 5)	Over Current	110% ~ 180% Rated output current
	Short Circuit	All output equipped with short circuit . Protection type: Hiccup mode, recovers automatically after fault condition is removed
Environment	Working Temprature	-40 ~ +85°C
	Working Humidity	0% ~ 90% RH non-condensing
	Storage Temp., Humidity	-40 ~ +85°C, 10 ~ 95% RH
Safety	Withstand Voltage	Input to output : 1500VDC Min. , 5mA Max. , 60 seconds
	Isolation Resistance	Input to output : 1000M Ohms @ 500VDC 25°C 70% RH
Others	Dimension	50.8*25.4*11.8 mm (L*W*H)
	Weight	about 35g

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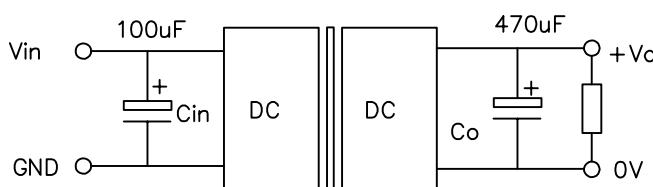
Note :

1. All parameters are specified at normal input, rated load, 25°C ambient.
2. Ripple & noise are measured by using a probe terminated with a 0.1uF & 47uF capacitor
3. Line regulation is measured from low line to high line at rated load.
4. Load regulation is measured from 10% to 100% rated load.
5. Please prevent the converter from operating in overload or short circuit condition for more than 30 seconds.
6. This part is not designed for parallel operation.

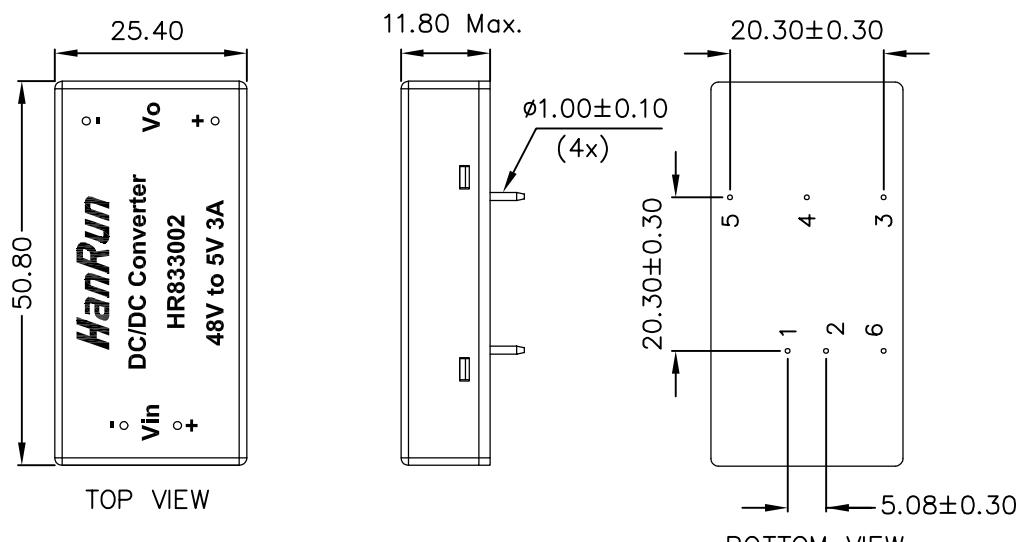
Pin Assignment

Pin	1	2	3	4	5	6
single	+Vin	-Vin	-Vout	NC	+Vout	NC

Recommended Test Circuit



Mechanical Dimensions



Unless otherwise specified,  
Tol.: .xx ± 0.50 (mm)

Temperature Derating Graph

