

HR833001

Features :

50.8x25.4mm compact size
High efficiency up to 89%
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



Electrical Specification @25°C

Output	DC Voltage	12V
	Current Range	125 ~ 1250mA
	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.)	87%
	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 ~ +80°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. , 1mA Max. , 60 seconds
	Isolation Resistance	Input to output :1000M Ohms @ 500VDC 25°C 70% RH
Others	Dimension	50.8*25.4*11.0mm (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 15 seconds.

Pin Assignment

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

Recommended Test Circuit

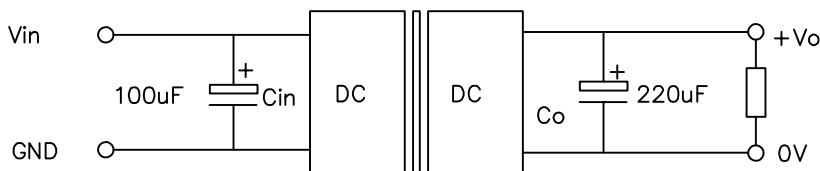
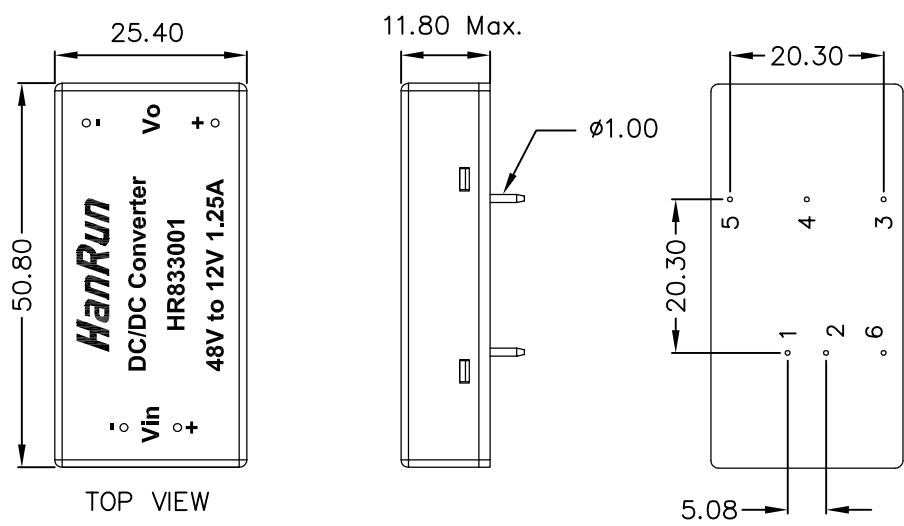


Figure 1

Mechanical Dimensions



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