

HR832103A

Features :

- Short circuit protection
- Thermal shutdown
- Non-isolated
- High efficiency up to 92%
- Low ripple and noise
- 100% burn-in test
- Pin Compatible to LM78xx
- Regulated output

Electrical Specification

Output	DC Volatage	3.3V
	Current Range	0 ~ 1.5A
	Rated Power	4.95W
	Ripple & Noise	60mVp-p Max. @ BW=DC to 20MHz
	Voltage Accuracy	±3%
	Switching Freqency	600KHz Typ.
	Line Regulation	±1%
	Load Regulation	±1% @ 10% ~100% load
	Voltage Range	12VDC (4.75~18VDC)
Input	Full Load Efficiency (Typ.)	89% Min. @ 4.75Vin ; 88% Typ., 86% Min. @ 18Vin
	No-load Power Consumption	5mW Max @ 4.75Vin , 15mW Max @ 18Vin
	Filter	Capacitor
	Short Circuit	Continuous, self-recovery
Protection	Thermal shundown	internal IC junction ,150°C
	Working Temprature	-40 ~ +85°C
	Working Humidity	0% ~ 90% RH non-condensing
Environment	Storage Temp., Humidity	-55 ~ +125°C, 10 ~ 95% RH
	Dimension	17.5*11.5*9.0 mm (L*W*H)
	Weight	about 3.5g

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.

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Pin Assignment

Pin	1	2	3
Single	+Vin	Ground	+Vo

Standard Application Circuit

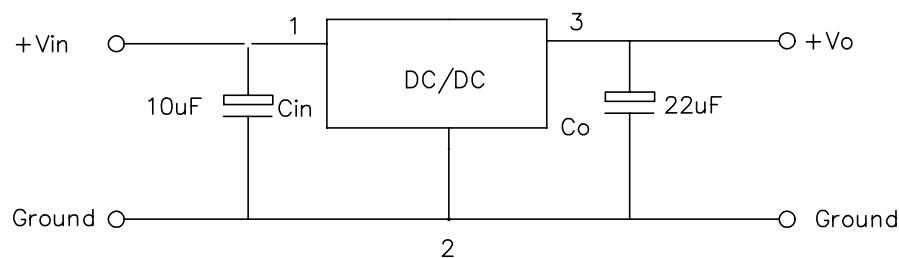
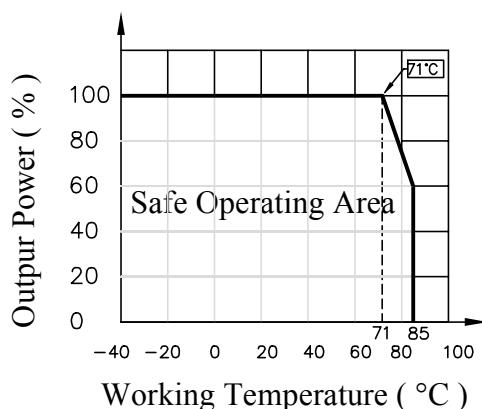
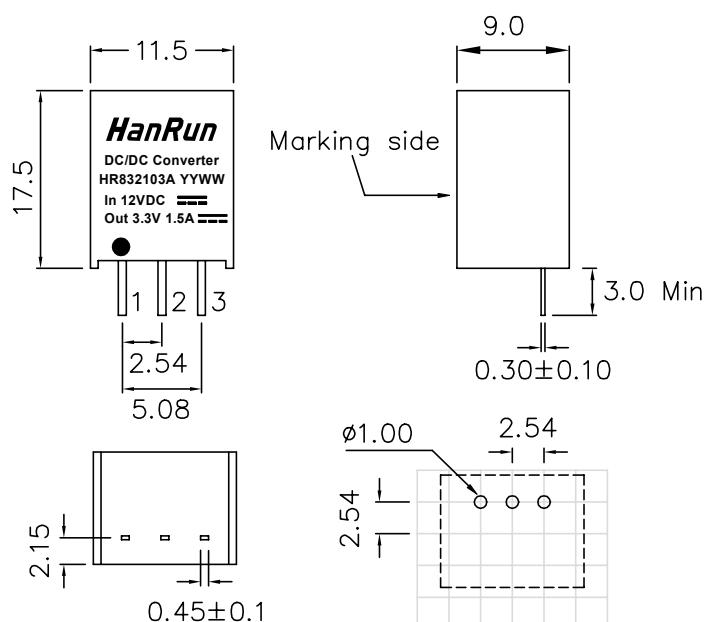


Figure 1

Temperature Derating Graph



Mechanical Dimensions



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