

# 20Watts 3.3V&5.0V Dual Output Power Supply

## Model No.: DDE-007

### Feature:

- UL safety meet.
- EMI/RFI meet VDE & FCC limit B.
- 20 Watts in 102×51.8×30mm size.
- 2 Year Warranty.

### Specifications: typical at nominal line, full load at 25° C.

Input Specifications:	General Specifications:(at -48Vdc Input)
<b>Input voltage:</b> -38 to -72Vdc	<b>Efficiency:</b> 70% typical at full load
<b>Input current:</b> 0.57 A at -48Vdc	<b>EMI/RFI:</b> VDE & FCC Class B limits
<b>Output Voltage Accuracy:</b> +3.3V: ± 2% +5.0V: ± 2%	<b>Dielectric Withstand:</b> Input/output: 1500Vdc
<b>Output Specifications:(at -48Vdc Input)</b>	<b>Safety Meet:</b> UL UL60950
<b>Output Rating:</b> Vo1:+ 5V /0.5A Vo2:+3.3V /5A	
<b>Line Regulation:</b> ± 2%	<b>Switching frequency:</b> 47kHz
<b>Load Regulation (at full load to 1/2 load):</b> ± 3%	<b>Weight:</b> 150g
<b>Temperature Coefficient:</b> ± 0.05% / °C	<b>Environmental Specifications:</b>
<b>Ripple &amp; Noise:</b> 50mVp-p max	<b>Operating temperature:</b> 0 to +50°C
<b>Protections:</b> a. Over voltage protection b. Over power protection c. Short circuit protection	<b>Storage temperature:</b> -40 to +85°C
	<b>Humidity:</b> 5 to 95 % RH non-condensing
	<b>Vibration:</b> 2.4G 5 TO 500 HZ
	<b>Cooling:</b> Free air convection

### Note:

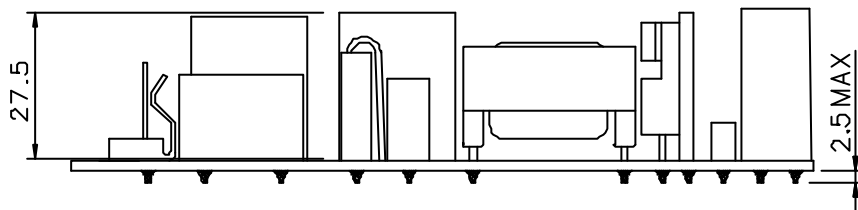
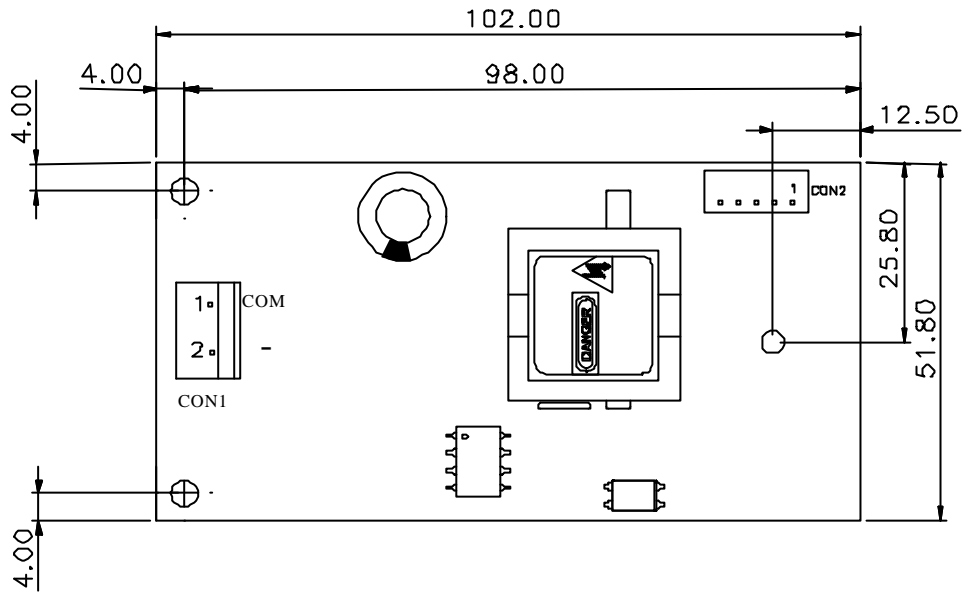
1. Vibration test: Three orthogonal axes, random vibration, 10 minutes for each axis.
  2. Maximum output power is 20W.
  3. At least 20% of load is required to obtain stable regulation.
  4. Ripple & noise test method is measured at output terminal across a 0.1uF ceramic cap & a 10uF tantalum cap in parallel with a 20MHz bandwidth oscilloscope directly.
- ★ Please refer the safety approval status on appendix 1, For latest safety approval status Please consult YCL or visit" [www.ycl.com.tw](http://www.ycl.com.tw)"

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### Dimensions: mm ± 0.5mm



Pin	FUNCTION	Pin	FUNCTION
1	+5V	4	COM
2	+3.3V	5	COM
3	+3.3V		

- AC input mating connector is 5096-02C or Ever 8763-03N2 or equivalent.
- DC output mating connector is Molex 67280-0500, Ever 2532-05K or STM M241855 or equivalent.