VoxTechnologies

- Compact Open Frame Power Supply -

80 Watt Universal Input Power Supply

VTC83

The VTC83 unit is an 80 watts convection cooling and 100 watts forced air cooling switching power supply, with several options of the output, from single to multiple.

90~260 VAC Continuous Universal Input

Size

3.3 x 6 x 1.5 inch
83.82 x 152.4 x 38.1 mm

DC Outputs

Output	5V	12V	-12V	-5V
Max Load	6A / 10A pk.	3.5A / 6A pk.	0.5A / 1A pk.	0.5A / 1A pk.
Regulation	±1%	±5%	±5%	±5%
Ripple	50mV	120mV	120mV	50mV

Features

- Small Size / High Power Density
- Continuous Universal Input - 90~260 VAC

• UL, CSA and VDE approved
• Meets FCC class "B" + Vfg 243/1991

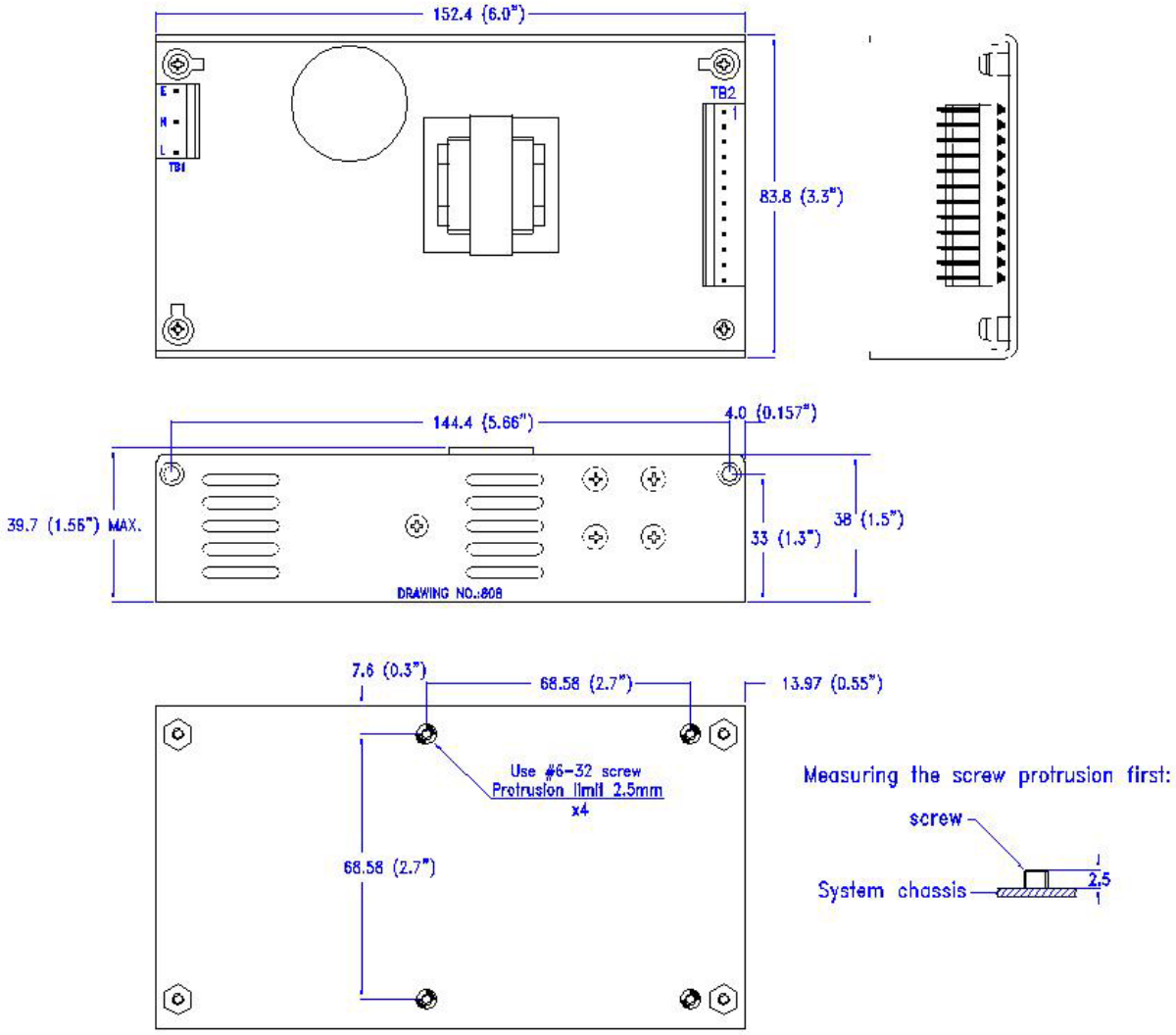
Specifications

Input	VAC
Voltage, V	85 to 264 VAC continuous
Frequency, Hz	47-63
Current, A	see specification
Power Factor	N/A
Harmonics	N/A
Cooling	80W Free air convection, 100W with 30 CFM forced a
Power Good	N/A
Holdup Time	16 mS minimum @ 115 VAC, full load
Transient	N/A
Efficiency	>70% at full load
OVP	Crowbar
Shorted output	No damage, auto-recovery
Over Load Protection	No damage, auto-recovery
Short Circuit Protection	Hiccup mode
Over Voltage Protection	auto-recovery
EMS	IEC-801-2 8KV air discharge IEC-801-3 3V/M, IEC
Temperature	0 to °50 C, rated load
EMI	CISPR / FCC class B
Safety Agency	FCC docket 20780 curve

Notes

1. Peak current can be used for 5 seconds maximum at power supply start up. The total continuous output power is the rated load times the voltage with free air convection.
2. Each output is checked at the factory to be within voltage accuracy with a 60% rated load condition.
3. Line regulation is defined by changing the input voltage ±10% from nominal line at rated load.
4. Load regulation is defined by changing the output load ± 40% from 60% of the rated load while another output is set to 60% of rated load.
5. Ripple & noise is measured at rated load and nominal line by using a 15MHz bandwidth limited oscilloscope with each output terminated by a 0.47 uF capacitor.
6. Hold up time is measured from the end of the last charging pulse to when the main output drops down to 95% output voltage.
7. Efficiency is measured at rated load.

Product drawings on following page



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