

- Energy Star, CEC & EISA Compliant
- ITE Approvals
- **PCB Mount**
- Class II Construction
- Compact Dimensions
- EN55022 Class B Emissions
- Low Cost

Specification

Input

Input Voltage

Input Frequency Input Current

Inrush Current

Power Factor

• 90-264 VAC

- 47-63 Hz
- 0.2 A max at 90 VAC
- 40 A max at 240 VAC
- · Conforms to EN61000-3-2, class A

Output

Output Voltage

Initial Set Accuracy

Minimum Load

Start Up Delay

Start Up Rise Time

Hold Up Time

Line Regulation

Load Regulation

Transient Response

Ripple & Noise

Overload Protection

Temperature Coefficient

See table

- ±5% at 50% load
- · No minimum load required
- 2 s max
- · 100 ms typical
- 5 ms typical at full load and 115 VAC
- ±0.5% max
- ±5% max
- 10% max. deviation, recovery to <1% within 500 µs for a 50% step load change at 0.2 A/us
- See table
- Overvoltage Protection See table
 - 120-180%, auto recovery
- Short Circuit Protection Trip and restart (Hiccup mode)
 - 0.2 %/°C

General

Efficiency

Isolation

Switching Frequency

MTBF

- · See table
- 3000 VAC Input to Output
- 60 kHz typical
- 100 kHrs per MIL-HDBK-217F

Environmental

Operating Temperature • 0 °C to +40 °C

Cooling

Operating Humidity

Storage Temperature

Shock

Vibration

- · Natural convection
- 10-90% RH, non-condensing
- -20 °C to +60 °C
- Able to survive 1m drop onto concrete on each of 6 axes
- 10-300 Hz, 2 g 15 mins/sweep. 30 mins for each of 3 axes

• EN55022, level B conducted & radiated

• EN61000-4-2, ±4kV contact, ±8kV air,

EMC & Safety

Emissions

Harmonic Currents

Voltage Flicker

ESD Immunity

Radiated Immunity

EFT/Burst

Surae

Conducted Immunity

Magnetic Field **Dips & Interruptions**

Safety Approvals

Perf Criteria A

EN61000-4-3, 3 V/m, Perf Criteria A

EN61000-4-4, level 2, Perf Criteria A

• EN61000-3-2, class A

• EN61000-3-3

EN61000-4-5, level 2, Perf Criteria A

• EN61000-4-6, 3 V, Perf Criteria A

• EN61000-4-8, 1 A/m, Perf Criteria A

• EN61000-4-11, 30% 10 ms, 60% 100 ms, 100% 5000 ms, Perf Criteria A, B, B

• EN60950, cUL60950, IEC60950

Models and Ratings

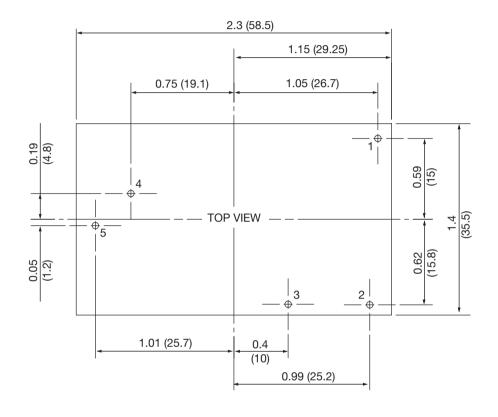


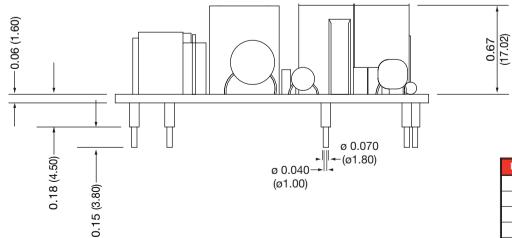
Output Power	Output Voltage	Output Current	Ripple & Noise ⁽¹⁾	Overvoltage Trip	Efficiency	Model Number
5 W	5 V	1 A	150 mV	10 V	57%	VCP05US05
4.8 W	12 V	0.4 A	150 mV	20 V	65%	VCP05US12
4.5 W	15 V	0.3 A	150 mV	25 V	65%	VCP05US15

Notes

- 1. Measured at DC output lead using 20 MHz band width and 0.1 µF ceramic capacitor in parallel with 10 µF electrolytic capacitor placed at connector terminals
- 2. Other voltages between 3.0 V and 15.0 V are available, consult sales for details.

Mechanical Details





Pin	Designation		
1	Live		
2	Neutral		
3	No connection		
4	Output -VE		
5	Output +VE		

Notes

- 1. All measurements are in inches (mm).
- 2. Weight: 20g approx.
- 3. Tolerance: $x.x = \pm 0.02$ ($x.x = \pm 0.5$), $x.xx = \pm 0.01$ ($x.xx = \pm 0.25$)

