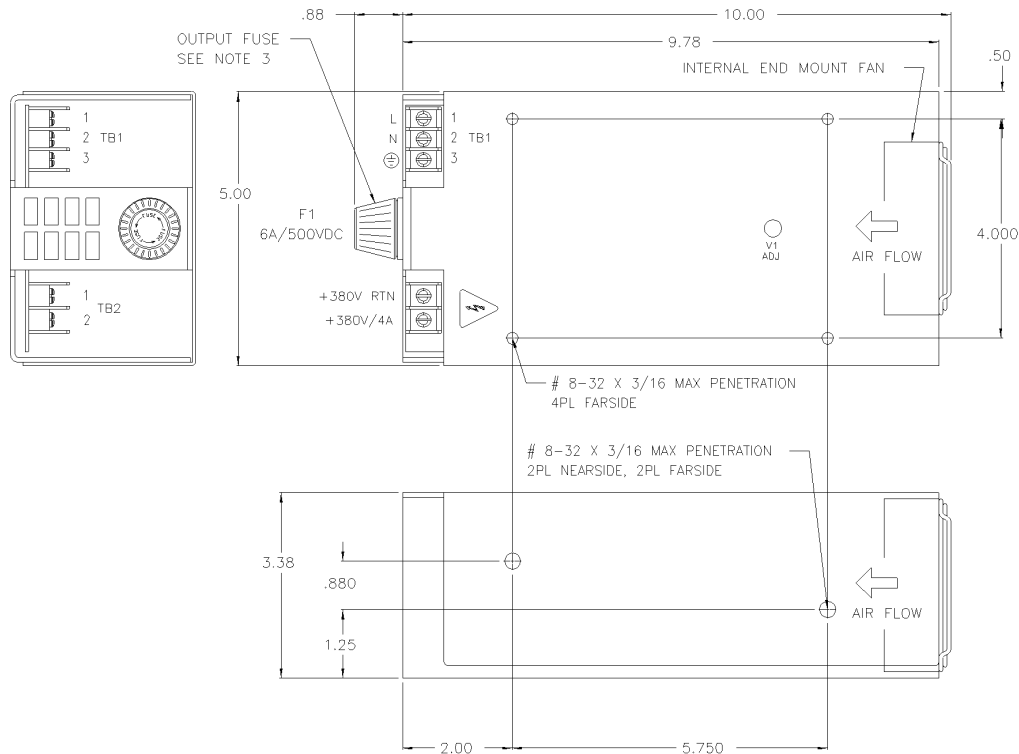


# HVX-1501P

## SINGLE PHASE NON-ISOLATED PFC FRONT END

### POWER FACTOR CORRECTED 90-264 VAC



AC INPUT (90-264 VAC CONTINUOUS RANGE)			
FUNCTION	115VAC	230 VAC	CONNECTOR
TB1-1	LINE	LINE 1	BARRIER STRIP
TB1-2	NEUTRAL	LINE 2	#6-32 SCREWS
TB1-3	SAFETY GROUND	SAFETY GROUND	3/8" CENTERS

DC OUTPUTS		
FUNCTION	DESCRIPTION	CONNECTOR
TB2-2	+380V/4A (V1)	BARRIER STRIP #6-32 SCREWS
TB2-1	+380V RTN (V1)	ON 7/16" CENTERS

#### FEATURES:

- No Additional Cooling Required up to 50 °C
- No Minimum Load Required

- Output: 380 VDC, 4 Amperes, 1500 Watts\*
- Power Factor Corrected Input (90-264VAC)
- Greater than 90,000 Hrs MTBF

\*3000 Watt version available, consult factory

<b>Nominal Input Voltage</b>	115-240 VAC, 15A max.	<b>Overvoltage Protection</b>	Shutdown at 120% of nominal Vout.
<b>Frequency</b>	47-63 Hz, 400Hz. available.	<b>Overtemperature Protection</b>	Unit shuts down if overheated. Recycle AC to reset.
<b>Operational Input Voltage Range</b>	90-264 VAC Power Factor 0.99 Typical at Full Load. Meets EN 61000-3-2.	<b>Leakage Current</b>	1.5mA max at 240Vac.
<b>Inrush Current</b>	Less than 4 msec. 75 amperes @ 115 VAC or 150 amperes @ 264 VAC.	<b>Current Limiting</b>	6A/500V output fuse provided.
<b>Brownout Protection:</b>	Holds Regulation to 85 Vac.	<b>Operating Temperature</b>	-20°C to 50°C operating temperature. 50°C to 75°C, derate 2%/°C.
<b>Fusing</b>	25 Ampere, 250 VAC, Internal ceramic body fuse.	<b>Output Stability</b>	±0.2% for 8 hrs. after 30 minute warm-up. ±0.5% during 30 minute warm-up.
<b>Efficiency</b>	95% typical	<b>Humidity</b>	Up to 95% non-condensing.
<b>Turn on time</b>	1 sec max. from power up.	<b>Storage Temperature</b>	-40°C to 85°C.
<b>Line and Load Regulation</b>	±2% over AC input range and 0 to 100% load change.	<b>Size</b>	3.38" x 5" x 10" <b>Weight:</b> 10 lbs.
<b>Minimum Load</b>	No minimum load required.	<b>EMC</b>	Meets FCC Class A & EN55022 Level A conducted.
<b>Ripple &amp; Noise</b>	Through 20MHz 10V max. peak to peak.	<b>Safety</b>	Designed to meet UL 60950 / CSA C22.2 No. 60950, EN60950.
<b>Transient Response</b>	Output maximum excursion of ± 4% for 25% load step. Recovery less than 300 µsec.		
<b>Input/Chassis Isolation</b>	2200 VDC from input/output to chassis.		

REV: -