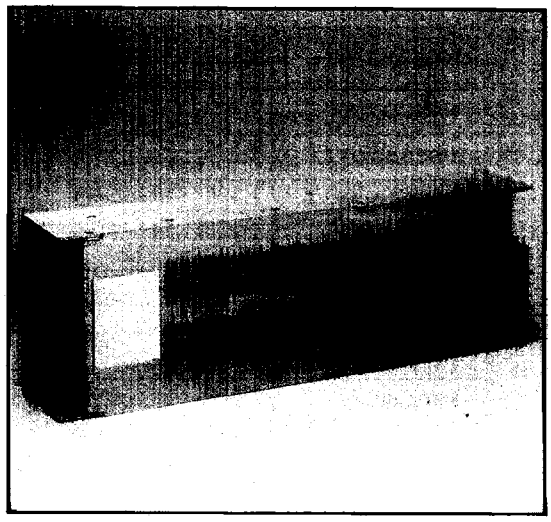
CALEX

500 Watt Multiple Output

- **Open frame U-bracket construction or enclosure box both available**
- **Up to 5 outputs**
- **User selectable dual input (115/230 Vac)**
- **Designed to meet VDE 0806 and IEC 380/435 regulations**
- **EMI compliance with VDE 0871-A and FCC-A Curve**



Specifications

Input

Input Voltage:
90-130VAC(115VAC Nominal) or
180-260VAC(230VAC Nominal)
User selectable.
Input Frequency: 47-440 Hz.
Inrush Current: A at cold start.
Dielectric Withstand: For 1 minute.
Option "VDE" 3,750VAC···Output/Input
1,500VAC···Input/Safety GND.
500VAC···Output/Safety GND.
Option "UL" 1,500VAC···Input/Output
1,500VAC···Input/Safety GND.
500VAC···Output/Safety GND.
EMI/RFI: compliance with FCC 20780 class A and VDE 0871/6.78 curve A.
Efficiency: Tyical 70% at full load.
Hold Up Time:
20m Sec. min. after loss of AC line at full load and nominal inputs.
Ambient Temperature Range:
0° C to 50° C continuous full rating.
50° C to 70° C derate linearly to 50% of full load.
-20° C to 85° C storage.
Transient Response: Output voltage returns in less than 3m Sec. following a 50% load change.
Power Failure Singnal:
A open collector output high level for nominal operation, a low level for failure condition. TTL compatiable signal.

Output

Output Voltage: See rating chart.
Output Current: See rating chart.
Line Regulation: 0.4% typical between input voltage range.
Load Regulation: For 50% to 100% change.
Main output···1% Typical.
Auxiliary output with Post regulatr···1% Typ.
Aux. output with Magnetic Amplifer···1% Typ.
Other Aux. output···5% typical.
Output Voltage Adjustability:
Main Output VO1 from -10% till OVP trip point.
Aux. Output VO2 +/− 10%.
Noise & Ripple:
1% Peak-Peak Typical per output.
Protections:
OVP···standard on 5V Main ouput rail.
OLP···125% of full load.
Short Circuit Protection:
All outputs with short circuit protection.
Minimum Load:
Minimum 20% of full load power on main output rail to maintain auxiliary outputs regulation.
Remote Sensing:
VO1 installed with remote sensing.
Logic Inhibit:
"High" TTL compatiablr input inhibit the Power supply.

Calex Electronics Ltd., P.O. Box 2, Leighton Buzzard, Bedfordshire. LU7 8WZ
Telephone: (0525) 373178 Fax: (0525) 851319

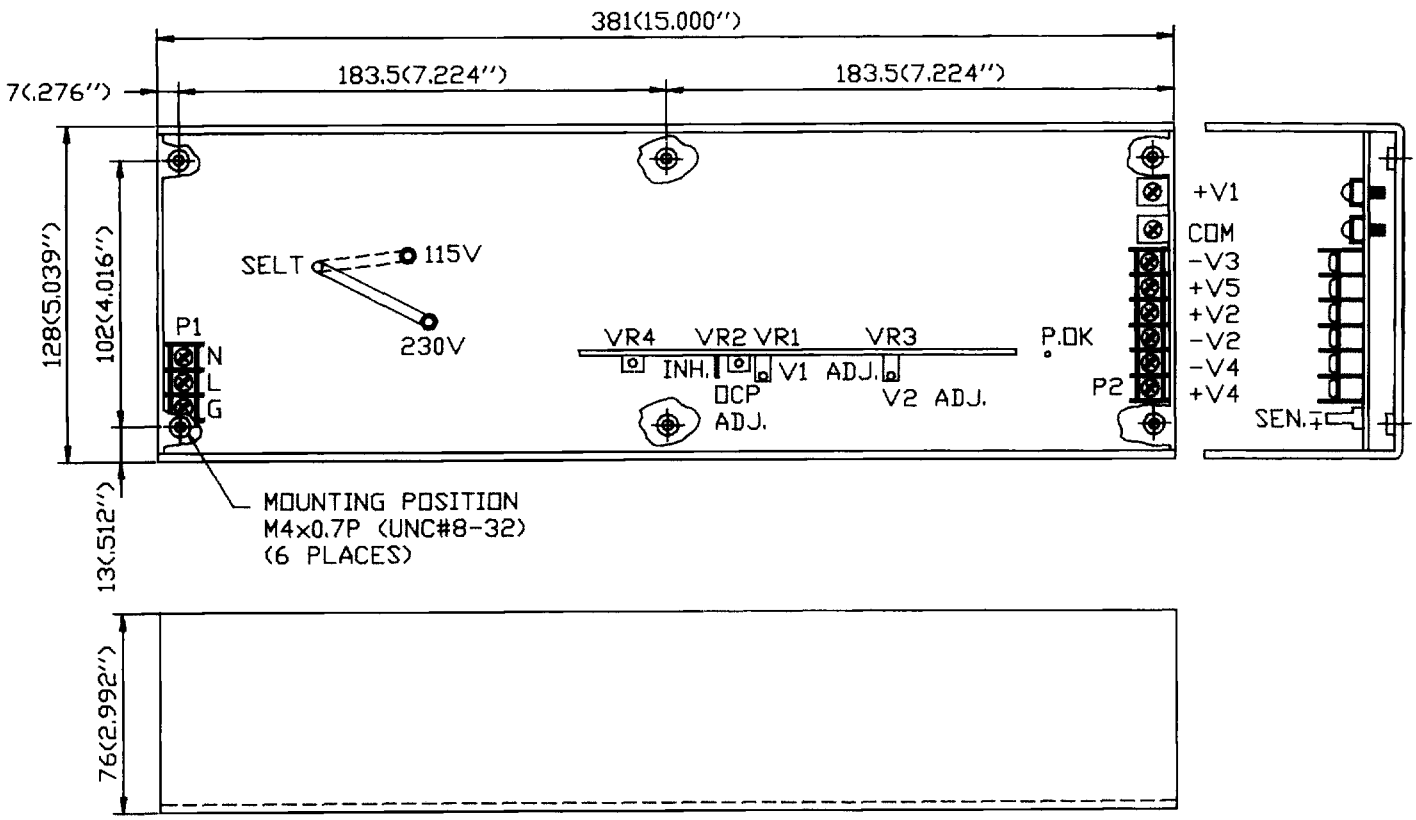
VOLTAGE/CURRENT RATING CHART

MODEL NO.	D.C. OUTPUT CURRENT (AMP.) AT 50°C								CONSTRUCTION	MAX. OUTPUT
	MAIN OUTPUT		SELECTABLE AUXILIARY OUTPUTS							
	TYP.	MAX.	TYP.	MAX.	TYP.	MAX.	TYP.	MAX.		
HSE500	+V01 @★		◇V02 @★		−V03 ●		+V04 ●		+/−V05 ●		U-BRACKET/BOX	500W
HSE500-40	+5 V 60A	60A	12V 10A	15A	−12V 1A	1A	+12V 4A	4A	—		U-BRACKET/BOX	500W
HSE500-41	+5 V 60A	60A	12V 10A	15A	−5 V 1A	1A	+12V 4A	4A	—		U-BRACKET/BOX	500W
HSE500-42	+5 V 60A	60A	24V 6A	7.5 A	−12V 0.5A	1A	+12V 4A	4A	—		U-BRACKET/BOX	500W
HSE500-43	+5 V 60A	60A	12V 14A	15A	−15V 0.5A	1A	—		+15V 1A	1A	U-BRACKET/BOX	500W
HSE500-50	+5 V 60A	60A	12V 12A	15A	−12V 1A	1A	+12V 3A	4A	+12V 1A	1A	U-BRACKET/BOX	500W
HSE500-51	+5 V 60A	60A	12V 12A	15A	−5 V 1A	1A	+12V 4A	4A	−12V 0.5A	1A	U-BRACKET/BOX	500W
HSE500-52	+5 V 60A	60A	15V 10A	12A	−12V 0.5A	1A	+12V 3A	4A	−15V 0.5A	1A	U-BRACKET/BOX	500W
HSE500-53	+5 V 60A	60A	24V 5A	7.5A	−15V 1A	1A	+15V 3A	4A	+12V 1A	1A	U-BRACKET/BOX	500W
HSE500-54	+5 V 60A	60A	15V 10A	12A	−5 V 0.5A	1A	+15V 3A	4A	−15V 0.5A	1A	U-BRACKET/BOX	500W

REMARK: Maximum current cannot be drawn from all outputs simultaneously. at no time should the average power (excluding transients) exceed the maximum continuous output WATTS. For full load application, typical load current is recommended.

★OVP Built-In.
● With 3-T post-regulator
(« Adjustable
◇ Floating(or isolated) output.
+/−: Positive or negative selectable(Factory set).
▲: Magnetic Amplifier

Mechanical Dimensions mm(inches)



MODEL NO.: HSE500-5X

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