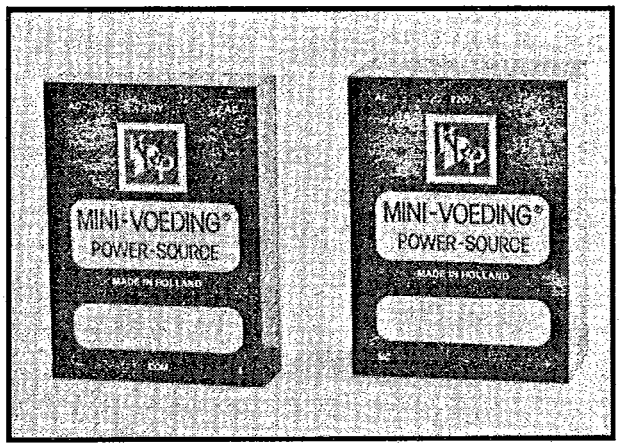
INDUSTRY STANDARD, HIGH PERFORMANCE POWER SUPPLIES.

*500 SERIES

SPLIT BOBBIN TRANSFORMER DESIGN
REGULATION TO 0,01%
ISOLATION VOLTAGE >4000V
MTBF >150.000 HOURS

The 500 series of high performance modular encapsulated power supplies is the standard of the industry with a proven record in the field. Continuous design improvements have led to an increased reliability (MTBF), a lower case temperature rise and highest actual performance. The use of a new unique transformer design with split primary and secondary windings resulted in excellent isolation features. All units are tested four times during manufacture, burned in under full load and thermally cycled to assure highest reliability.



GENERAL SPECIFICATIONS

Input voltage and frequency	:	220 Vac ±10%/47–63Hz
Output voltage tolerance	:	± 1% (fixed)
Ripple and noise	:	1mV RMS
Temperature coefficient	:	0,02%/°C (typical)
Short circuit protection	:	current limiting
MTBF	:	150.000 hours measured at 25°C, high line and full load
Isolation voltage	:	>4000 Vdc
Isolation resistance	:	>1000 Megohm
Coupling capacitance	:	<100 pF
Leakage current	:	<10 µA
Operating case temperature range	:	-25°C to + 71°C
Storage temperature range	:	-25°C to + 85°C

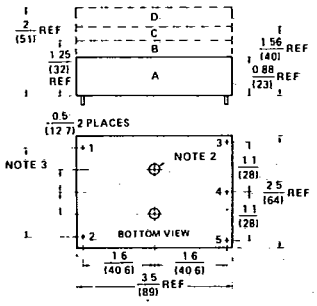
ORDERING INFORMATION

Output Voltage (Vdc)	Output Current (mA)	Regulation Line (%)	Regulation Load (%)	AC Pin Spacing Inches(mm)	Package	Model Number
5V	500	0,05	0,05	2,0/51	1A	534-2
5V	500	0,05	0,05	2,2/56	1A	534*
5V	1000	0,05	0,1	2,0/51	1B	542-2
5V	1000	0,05	0,1	2,2/56	1B	542*
5V	1500	0,05	0,2	2,0/51	1C	545-2
5V	1500	0,05	0,2	2,2/56	1C	545
5V	2000	0,05	0,2	2,0/51	1C	546-2
5V	2000	0,05	0,2	2,2/56	1C	546
12	500	0,05	0,2	2,2/56	1B	556
180	30	0,5	0,5	2,2/56	1B	570
250	30	0,5	0,5	2,2/56	1B	571
±5V	±500	0,05	0,05	2,0/51	1B	527-2
±5V	±500	0,05	0,05	2,2/56	1B	527
±7,5	±150	0,5	0,5	2,2/56	1A	530
±7,5	±300	0,5	0,5	2,2/56	1B	531
+12/−5	+300/−200	0,2	0,2	2,0/56	1B	535-2
±12V	±100	0,01	0,05	2,0/51	1A	536-2
±12V	±100	0,01	0,05	2,2/56	1A	536
±12V	±200	0,01	0,05	2,0/51	1B	537-2
±12V	±200	0,01	0,05	2,2/56	1B	537
±12V	±300	0,01	0,05	2,0/51	1C	540-2
±12V	±300	0,01	0,05	2,2/56	1C	540
±15V	±100	0,01	0,05	2,0/51	1A	505-2
±15V	±100	0,01	0,05	2,2/56	1A	505
±15V	±200	0,01	0,05	2,0/51	1B	565-2
±15V	±200	0,01	0,05	2,2/56	1B	565
±15V	±300	0,01	0,05	2,0/51	1C	566-2
±15V	±300	0,01	0,05	2,2/56	1C	566
±120V	±20	0,01	0,05	2,0/51	1C	569-2

*Includes "clamp" type overvoltage protection, set at approximately 6,5 Vdc.
Available upon request, please consult factory: other voltages and currents, different pin configurations.

*Option: suffix A for 105–125 VAC input voltage.

MECHANICAL INFORMATION



PACKAGE 1

CONNECTIONS

Single Output Models

PIN FUNCTION	AC Pin Spacing 2.0"		2.2"
ACin	1	PIN NO.	1
ACin	2		2
-Vdc out	3		4
Do Not Connect	4		3
+Vdc out	5		5

Dual Outputs
2.0" and 2.2" AC Pin Spacing

PIN 1 AC in
2 AC in
3 -Vdc out
4 Common out
5 +Vdc out

NOTES:
1 Five Pins 0.040 (1.0) Dia x 0.20 (5.1) Lg Min.
2 Two Mounting Inserts M3.
3 See Pin Spacing in Ordering Information
4 All Dimensions are in Inches and (mm).

Specifications subject to change without notice.

SOCKETS FOR ALL MODELS:
KR-1 FOR 2,2" AC PIN SPACING.
KR-12 FOR 2,0" AC PIN SPACING.