

**INDUSTRY STANDARD,
HIGH PERFORMANCE POWER SUPPLIES.**

*** 500 SERIES**

**SPLIT BOBBIN TRANSFORMER DESIGN
REGULATION TO 0,01%/o
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, under full load and thermally cycled to assure highest reliability.

GENERAL SPECIFICATIONS

- Input voltage and frequency : 220 Vac $\pm 10\%/o/47-63Hz$
- Output voltage tolerance : $\pm 1\%/o$ (fixed)
- Ripple and noise : 1mV RMS
- Temperature coefficient : 0,02%/o/°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

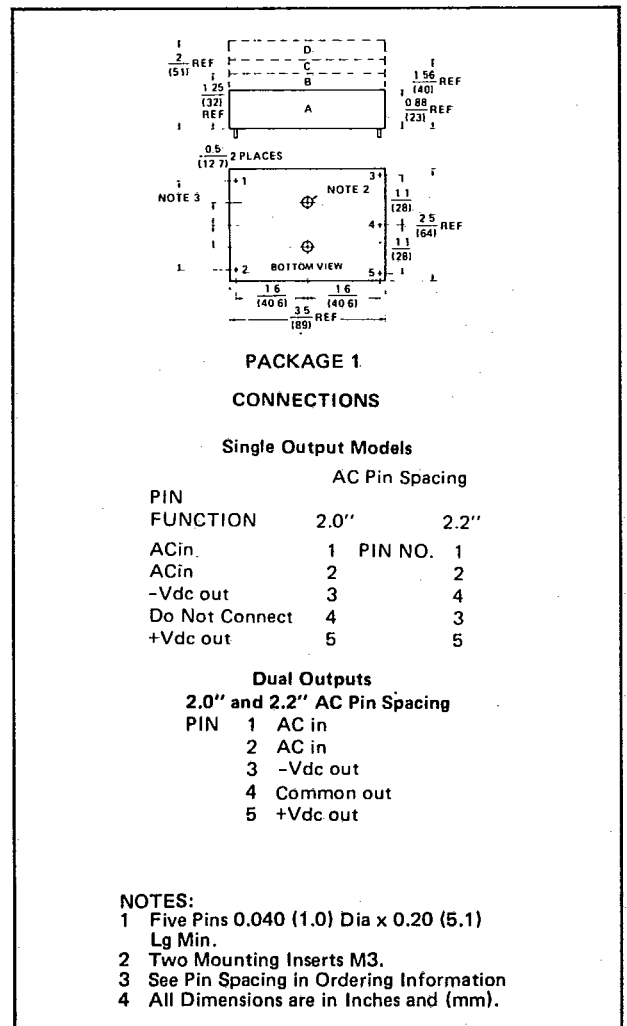
Output Voltage (Vdc)	Output Current (mA)	Regulation		AC Pin Spacing Inches(mm)	Package	Model Number
		Line (%/o)	Load (%/o)			
5V	500	0,05	0,05	2,0/51	1A	534-2
5V	500	0,05	0,05	2,2/56	1A	534*
5V	1000	0,05	0,1	2,0/51	1B	542-2
5V	1000	0,05	0,1	2,2/56	1B	542*
5V	1500	0,05	0,2	2,0/51	1C	545-2
5V	1500	0,05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



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.