

HIGH EFFICIENCY, POWER SUPPLIES

* 800 SERIES

EFFICIENCY TO 80%/o

LINE TRANSIENT IMMUNITY >60 dB

LOW CASE TEMPERATURE RISE: 150°C TYP

The 800 series of line powered, encapsulated modular power supplies features efficiencies to 80%/o, which remain nearly constant over the entire input voltage range. High efficiency reduces internal power dissipation, and cooler operation results. These benefits combine to provide higher overall system reliability. Key to this performance is a highly efficient ripple regulation circuit, that dissipates 4 to 5 times less power than equivalent conventional power supply designs. In addition, the high efficiency regulator circuit contains low pass filtering that provides immunity to line transient effects, unmatched by conventional power supply designs.

GENERAL SPECIFICATIONS

Input voltage and frequency	:	200 to 252 Vac - 50 to 440 Hz.
Output voltage tolerance	:	$\pm 1^{\circ}/o$ (fixed).
Regulation	:	0,15%/o line and load.
Ripple and Noise	:	7mV RMS.
Temperature coefficient	:	0,02%/o/°C (typical).
Operating temperature range	:	-25°C to +71°C.
Storage temperature range	:	-40°C to +85°C.
I/O isolation	:	2000 VDC.
Short circuit protection	:	power foldback.

ORDERING INFORMATION

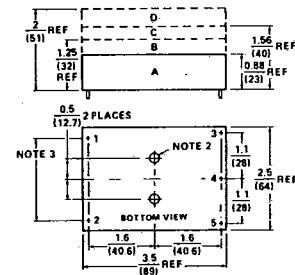
Output Voltage (Vdc)	Output Current (mA)	AC Pin Spacing Inches(mm)	Package	Model Number
5	1000	2,2/56	1B	842
5	1000	2,0/51	1B	842-2
5	1500	2,2/56	1B	845
5	1500	2,0/51	1B	845-2
5	2000	2,2/56	1C	846
5	2000	2,0/51	1C	846-2
5	3000	2,2/56	1C	847
5	3000	2,0/51	1C	847-2
5	4000	2,2/56	1D	848
5	4000	2,0/51	1D	848-2
12	800	2,2/56	1B	857
12	800	2,0/51	1B	857-2
12	1200	2,2/56	1D	858
12	1200	2,0/51	1D	858-2
12	1500	2,2/56	1D	859
12	1500	2,0/51	1D	859-2
15	650	2,2/56	1B	860
15	650	2,0/51	1B	860-2
19	1000	2,2/56	1D	861
19	1000	2,0/51	1D	861-2
24	400	2,2/56	1B	862
24	400	2,0/51	1B	862-2
± 12	± 500	2,2/56	1D	841
± 12	± 500	2,0/51	1D	841-2
± 15	± 500	2,2/56	1D	867
± 15	± 500	2,0/51	1D	867-2

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 BOTTOM VIEW

CONNECTIONS

Single Outputs

2.0" AC Pin Spacing

PIN	1	AC in
	2	AC in
	3	-Vdc out
	4	Do Not Connect
	5	+Vdc out

Single Outputs

2.2" AC Pin Spacing

PIN	1	AC in
	2	AC in
	3	Do Not Connect
	4	-Vdc out
	5	+Vdc out

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:

- Five Pins, 0.40 (1) Dia x 0.20 (5.1) Lg Min
- Two Mounting Inserts M3
- See Pin Spacing in Ordering Information
- 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.