

AC/DC 6 Watts Single/Dual Outputs CM, P, PA Series

- High performance design
- Ultra-low noise
- Continuous short circuit protection



Specifications

The CM, P and PA Series boast over a decade of reliable, field proven service and are the recognized industry standard for high performance AC/DC power supplies. The PA Series is equipped with industry standard 2.2" pin spacing while the P Series is 2.0".

The CM Series are high performance chassis mount versions employing a top-mounted, five terminal barrier strip for power entry and exit. These units are ideal for systems that are best implemented with "hard wire" power cabling techniques. Features include MTBF's of greater than 150,000 hours, lower case temperature rise (to 18°C cooler) and the high in-circuit performance. This higher efficiency results in lower ambient temperatures and greater system reliability. Dual output tracking is standard.

INPUT

Voltage and Frequency	
Standard	105 to 125 Vac - 50 to 440 Hz
Suffix I	200 to 252 Vac - 50 to 60 Hz
Suffix N	90 to 110 Vac - 50 to 60 Hz
Suffix K	200 to 252 Vac - 50 to 60 Hz
Suffix K2	105 to 125/210 to 250 Vac

OUTPUT

Voltage Tolerance	± 1%
Ripple and Noise (PARD)	1mV RMS
Short Circuit Protection	Current Limiting
Temperature Coefficient	0.02% / °C

GENERAL

I/O Isolation	1500 Vac
Suffix I	2500 Vac

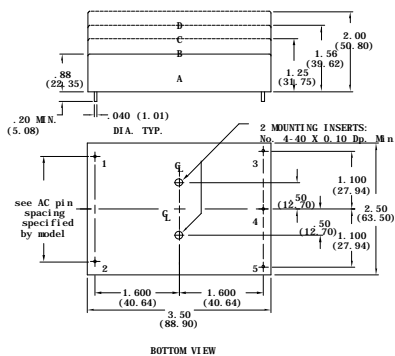
ENVIRONMENTAL

Operating Temperature Range	-25°C to +71°C-No Derating
Storage Temperature Range	-25°C to +85°C
Cooling	Free-air Convection

CM, P and PA Series Ordering Information

Output Voltage	Output Current	Regulation Line / Load	AC Pin Spacing Inches (mm)	Fig.	Model Number
5 Vdc	500mA	0.05% / 0.05%	2.0 (51)	1-A	P11-050
5 Vdc	500mA	0.05% / 0.05%	2.2 (56)	1-A	PA11-050
5 Vdc	1000mA	0.05% / 0.1%	2.0(51)	1-B	P11-100
5Vdc	1000mA	0.05% / 0.1%	2.2 (56)	1-B	PA11-100
5Vdc	1000mA	0.05% / 0.1%	--	2-C	CM11-100
12Vdc	500mA	0.05% / 0.1%	2.0 (51)	1-B	P12-050
12Vdc	500mA	0.05% / 0.1%	--	2-C	CM12-050
±5Vdc	±500mA	0.05% / 0.05%	2.0 (51)	1-B	P21-100
±5Vdc	±500mA	0.05% / 0.05%	2.2(56)	1-B	PA21-100
±12Vdc	±100mA	0.1% / 0.05%	2.0 (51)	1-A	P22-020
±12Vdc	±100mA	0.1% / 0.05%	2.2 (56)	1-A	PA22-020
±12Vdc	±200mA	0.1% / 0.05%	2.0 (51)	1-B	P22-040
±12Vdc	±200mA	0.1% / 0.05%	2.2 (56)	1-B	PA22-040
±12Vdc	±200mA	0.05% / 0.1%	--	2-C	CM22-040
±12Vdc	±300mA	0.01% / 0.05%	2.0(51)	1-C	P22-060
±12Vdc	±300mA	0.01% / 0.05%	2.2 (56)	1-C	PA22-060
±12Vdc	±300mA	0.05% / 0.1%	--	2-C	CM22-060
±15Vdc	±100mA	0.01% / 0.05%	2.0 (51)	1-A	P23-020
±15Vdc	±100mA	0.01% / 0.05%	2.2 (56)	1-A	PA23-020
±15Vdc	±200mA	0.01% / 0.05%	2.0 (51)	1-B	P23-040
±15Vdc	±200mA	0.01% / 0.05%	2.2 (56)	1-B	PA23-040
±15Vdc	±200mA	0.05% / 0.1%	--	2-C	CM23-040
±15Vdc	±300mA	0.01% / 0.05%	2.0 (51)	1-C	P23-060
±15Vdc	±300mA	0.01% / 0.05%	2.2 (56)	1-C	PA23-060
±15Vdc	±300mA	0.05% / 0.1%	--	2-D	CM23-060

Dimensions and Connections



PIN CONNECTIONS Dual Outputs (Fig. 1) 2.0" and 2.2" AC Pin Spacing

1. AC in high
2. AC in neutral
3. - Vdc Out
4. Output Common
5. + Vdc Out

PIN CONNECTIONS Single Output (Fig. 1) 2.0" AC Pin Spacing

1. AC in high
2. AC in neutral
3. - Vdc out
4. No connect
5. + Vdc out

PIN CONNECTIONS Single Output (Fig. 1) 2.2" AC Pin Spacing

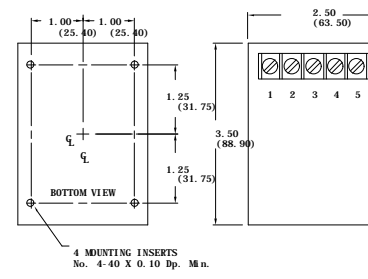
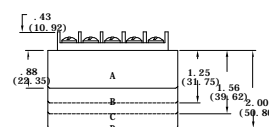
1. AC in high
2. AC in neutral
3. No connect
4. - Vdc out
5. + Vdc out

TERM CONNECTIONS Single Output (Fig. 2)

1. AC in high
2. AC in neutral
3. + Vdc out
4. No connect
5. - Vdc out

TERM CONNECTIONS Dual Outputs (Fig. 2)

1. AC in high
2. AC in neutral
3. + Vdc out
4. Common out
5. - Vdc out



NOTES:

1. Ripple measured with a 3.3 mf tantalum capacitor across each output.

5/18/99

All specifications are typical at nominal line and full load at 25°C unless otherwise noted and are subject to change without notice.