

SPECIFICATIONS

PPIO-A108

Parallel Port
Analog Input & Digital I/O



**MEASUREMENT
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Power Consumption

+5V Supply 180 mA typical / 300 mA max.

Analog Inputs

Number of Channels	8, Single-ended
Resolution	12 bits, 4096 divisions of full scale.
Accuracy	0.01% of reading \pm 1 bit.
Type	Successive-approximation
Speed	25 μ s - AD574
Throughput via LPT	1 kHz typical, 3 kHz maximum
Monotonicity	Guaranteed over operating temperature
Linearity	\pm 1 bit
Ranges	\pm 5 Volts \pm 10 Volts 0 to 10 Volts
Overvoltage	\pm 30 Volts Continuous
Input Current	100 nA max @ 25 deg. C.
Input Impedance	10 MegOhms
Gain Temp. Coef.	+FS \pm 25 ppm/deg C -FS \pm 10 μ V/deg C
Zero Drift	10 ppm/deg C max.
Gain Drift	50 ppm/deg C max.

Sample & Hold Amp.

Acquisition Time	15 μ s to 0.01%
Dynamic error	1 bit @ 2000 V/Sec

Reference Voltage Output

Reference	+10 Volts \pm 0.1 V
Temp. Coef.	50 ppm/deg C max
Load Current	2 mA max.

Digital I/O

OP1 - OP4 low (outputs)	0.5V max @ 8 mA current sink
OP1 - OP4 high	2.7V Min @ -0.4 mA current source
IP1 - IP3 low (inputs)	0.8V Max
IP1 - IP3 high	2V max @ 20 μ A

Environmental

Operating Temperature	0 to 50 deg C
Storage Temperature	-20 to 70 deg C
Humidity	0 to 90% non-condensing
Weight	5 Oz.

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