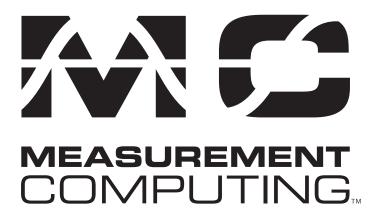
## **SPECIFICATIONS**

PC104-DAC06

**Analog Outputs** 



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## **Power Consumption**

Icc: +5V quiescent130 mA typical, 180 mA maximumIcc: +12V quiescent50 mA typical, 75 mA maximumIcc: -12V quiescent30 mA typical, 45 mA maximum

## **Analog Output section**

D/A converter type AD7237
Resolution 12 bits
Number of channels 6

Ranges  $\pm 10V$ ,  $\pm 5V$ , 0 to 10V, 0 to 5V; each channel individually jumper-selectable

D/A pacing Software
Data transfer Software-polled

Throughput 125 kHz typical (PC-dependent)

Offset error Adjustable to zero Adjustable to zero

 $\begin{array}{ll} \text{Integral non-linearity} & \pm 0.5 \text{ LSB} \\ \text{Differential non-linearity} & \pm 0.5 \text{ LSB} \\ \end{array}$ 

Monotonicity Guaranteed over temperature range

Gain drift 160 ppm/°C Zero drift 150 ppm/°C

Current Drive ±5 mA minimum

Short circuit current  $\pm 40 \text{ mA}$ Output resistance 0.1 ohms

Slew rate  $1.7V/\mu s$ 

Miscellaneous Double buffered input latches

Update DACs individually or simultaneously (jumper-selectable by DAC

pairs)

DAC output state on power-up and reset undefined

## **Environmental**

Operating temperature range 0 to 70°C Storage temperature range -40 to 100°C

Humidity 0 to 95% non-condensing

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