PART NUMBER SPEC-AIM3

Specifications

AIM3 ANALOG INPUT MODULE 3

Input channels: 16 differential or 32 single ended
Input characteristics:
- Switch selectable gains: x1, x10, x100
- Input range:
  - x1, ± 10V
  - x10, ± 1V
  - x100, ± 100mV
- Input protection:
  - ± 30V max (Powered)
  - ± 10V max (Unpowered)
- Accuracy:
  - x1, ±(0.01% + 20uV)
  - x10, x100, ±(0.01% + 10uV)
- Non-linearity: 0.005% of F.S.
- Temperature coefficient:
  - x1, ±(0.001% + 10uV)/°C
  - x10, ±(0.002% + 4uV)/°C
  - x100, ±(0.002% + 2uV)/°C
- Common mode rejection ratio: >80dB, DC to 60Hz
- Input bias current: <1nA
- Input resistance: > 100Mohms
- Input noise voltage:
  - 5uV p-p, 0.1Hz to 10Hz
  - 10uV rms, 10Hz to 30 kHz
- Settling time to 0.01%:
  - x1, 15us
  - x10, 30us
  - x100, 75us
- Slew rate (x1): 10V/us
- Small signal bandwidth: 130kHz

Reference junction sensor:
- Output: +100mV/°C
- Accuracy: ±0.25°C
- Temperature coefficient: ±0.1°C/°C

NOTE: All amplifier specifications with respect to input.

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A	RELEASED 9431		11-1-83	CKD.	DATE
				APP.	DATE

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