PART NUMBER
SPEC-AIM5

Specifications

AIM5 ANALOG INPUT MODULE 5

Input channels: 4 low level, isolated from each other and ground

Input characteristics.

- Gain: x100, user configurable for other gains with optional resistor
- Input range. ±50mV max
- Accuracy:
  - Gain: ±0.2%, adjustable to 1 lsb
  - Gain linearity. ± 0.02% max
  - Input offset: ± 20uV max, adjustable to zero
  - Output offset. ± 12mV max, adjustable to zero
- Temperature coefficient:
  - Gain: ±0.005%/°C
  - Input offset: ± 2.5uV/°C
  - Output offset: ± 50uV/°C
- Input noise voltage: 1uV p-p, 0.01Hz to 100Hz, R_S < 1kohm
- Input bias current: + 8nA max
- Input resistance: 100Mohms
- Protection: 130V RMS max, normal mode
- Isolation: 500V peak, channel to channel or channel to ground
- Common mode rejection: 130db, R_S < 100 ohms, f ≤ 60Hz
- Normal mode rejection: 55db, f ≥ 50Hz
- Settling time after channel selection: 2.5 ms to 0.01% assuming settled input

Temperature reference junction sensor:

- Output: 100mV/°C
- Accuracy: ±0.25°C
- Temperature coefficient: 0.1 °C/°C

LTR	REVISIONS	APP.	DATE	DRN.	DATE
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				APP.	DATE

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