

500-AIM3A

KEITHLEY DAC

High Sensitivity Analog Input Module

PART NUMBER

SPEC:AIM3A

SPECIFICATIONS (1 YEAR, 18°C - 28°C) —

- Input Channels:** 32 single-ended, 16 differential, software selectable
- Input Impedance:** >100MΩ in parallel with 25pF
- Input Bias Current:** 50nA (max, 0-70 °C).
- Gain:** x1, x10, x100; software selectable
- Gain Accuracy (% of reading):** x1, ±0.05%; x10 and x100, ±0.01%
- Input Offset Voltage (max):** x1, 250 μV; x10 & x100, 25 μV
- V_{os} Temp Coefficient (max):** x1, 50 μV/°C; x10, 6 μV/°C; x100, 2 μV/°C
- CMRR:** x1, >70 dB; x10, >90 dB; x100, >100 dB (DC to 60 Hz, 1kΩ unbalance)
- Input Protection (max):** ±30V, powered; ±15V, unpowered
- Settling Time to 0.01% (max):** 15 microseconds
- Input Noise (max):** x1, 24 μV_{rms}; x10, 2.7 μV_{rms}; x100, 1.3 μV_{rms}
- Gain Nonlinearity:** ±0.005% of range, all ranges
- Gain Temp Coefficient (max):** ±0.002%/°C of range, all ranges

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BRUNING 40-21 62198

LTR	REVISIONS	APP.	DATE	DRN. GN	DATE
A	900104 RELEASED	<i>[Signature]</i>	1-4-90	CKD.	1/4/90
				APP.	DATE

KEITHLEY

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