

**Aumictech**

Test & measurement • bought, sold, repaired, calibrated

Data Sheet

August 12, 2026

KEITHLEY

Keithley 7072 8X12 Semiconductor Matrix Card

The Keithley 7072 is an 8×12 semiconductor matrix card engineered for high-density device testing and parametric characterization. This specialized switching module connects multiple devices under test to precision instrumentation, handling low-level, high-impedance signals from wafer-level testing through final device validation. Its triaxial architecture and fully guarded measurement design enable sub-picoamp resolution and capacitance-voltage characterization across DC to 1 MHz. Typical Applications Sub-picoamp measurements on semiconductor devices. Capacitance-voltage characterization. Parametric testing of discrete and integrated circuits. Multi-device test routing and isolation. Compatibility & Integration Connects to Keithley 707A, 707B, 708A, and 708B mainframes. Compatible with Model 2410 and 237 SMU instruments, Series 2600B SourceMeter SMU, and 4200-SCS Parameter Analyzers. Aumictech offers NIST-traceable calibration and repair for the Keithley 7072. All calibrations are performed to NIST-traceable standards and ship with a certificate. Turnaround is typically 1–3 business days after receipt.



MODEL

Keithley 7072

CALIBRATION

Available on request

CONDITION

Used

STATUS

In stock

RFQ / SKU

7072

LISTING

<https://aumictechlabs.com/products/7072-2/>

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 • 811210 • 541380

This unit

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Features & description

From manufacturer datasheet

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Keithley 7072 — Repair & Calibration Service

Aumictech offers NIST-traceable calibration and repair for the Keithley 7072. All calibrations are performed to NIST-traceable standards and ship with a certificate. Turnaround is typically 1–3 business days after receipt. Standard Cal Pass/fail cert + NIST sticker Cal with Data Full NIST cert with measured values [Request Calibration](#) → [Request Repair Quote](#) →

Keithley 7072 price

This Keithley 7072 is listed at . Calibration is available separately from . Contact us for volume pricing or if you need multiple units.

Keithley 7072 calibration cost

NIST-traceable calibration for the Keithley 7072 is (standard — pass/fail certificate and calibration sticker) or (full measured data at every test point, reference standards documented, traceability chain included). Turnaround is 1 to 3 business days after receipt. See full calibration details →

Unit notes

The Keithley 7072 is an 8×12 semiconductor matrix card engineered for high-density device testing and parametric characterization. This specialized switching module connects multiple devices under test to precision instrumentation, handling low-level, high-impedance signals from wafer-level testing through final device validation. Its triaxial architecture and fully guarded measurement design enable sub-picoamp resolution and capacitance-voltage characterization across DC to 1 MHz. Technical Specifications Matrix Configuration: 8 rows × 12 columns with mixed-signal paths. Two low-current paths deliver sub-picoamp offset current for sensitive measurements. Two C-V paths operate DC to 1 MHz. Six general-purpose paths maintain less than 20 pA offset current and handle signals to 200 V, 1 A carry / 0.5 A switched, 10 VA peak into resistive loads. Contact Performance: Path resistance measures less than 1 Ω initially, degrading to less than 3.5 Ω at end of life. Contact potential stays below 40 μV per cross-point (Signal to Guard). Cold switching life reaches 10^7 closures; at maximum

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7072 Specifications

PARAMETER	VALUE
Frequency Range	DC to 1 MHz Voltage / Current Range: 1 A carry / 0.5 A switched, 10 VA peak, 200 V

Full OEM specifications

Complete technical content extracted from the manufacturer datasheet. Sparse OEM tables are reconstructed as tables below; other text is preserved as paragraphs.

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Available from Aumictech

Used and refurbished unit evaluated in-house. Calibration: Available on request. Used · In stock.

Request a quote: sales@aumictech.com · +1 (484) 841-9341

Aumictech

788 S 500 E, Pleasant Grove, UT 84062
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<https://aumictechlabs.com>

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Technical content from manufacturer specifications. Unit photo/stock from Aumictech listing when available. Specifications subject to OEM documentation and unit condition.