

**Aumictech**

Test & measurement · bought, sold, repaired, calibrated

Data Sheet

August 15, 2026

KEITHLEY

Keithley 7152-MTC-2

Keithley Modular Instrument Chassis. Current: 20 mA per crosspoint, Current: 1 A, Current: 0.5 A.



MODEL

Keithley 7152-MTC-2

CALIBRATION

Available on request

CONDITION

Used

STATUS

In stock

RFQ / SKU

7152-MTC-2

LISTING

<https://aumictechlabs.com/products/7152-mtc-2-2/>

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 · 811210 · 541380

This unit

The Keithley 7152-MTC-2 is a 4×5 matrix test card engineered for automated signal routing and switching within Keithley mainframe systems. It delivers high-isolation signal paths with dual-pole Form A crosspoints optimized for precision low-current and high-impedance measurements in semiconductor and materials characterization applications. Technical Specifications Matrix Configuration 4 rows × 5 columns 2-pole Form A crosspoints (Signal and Guard per point) Relay drive current: 20 mA per crosspoint Actuation time: <2 ms (exclusive of mainframe) Contact Ratings Peak carry current: 1 A Peak switched current: 0.5 A Maximum resistive power: 10 VA Path resistance: <1 Ω per contact to rated life Contact life: 10⁸ closures (cold switching), 10⁵ closures (maximum signal level) Signal Integrity Offset current: <1 pA (10 fA typical) Contact potential: 10¹³ Ω and 10¹¹ Ω and 10⁹ Ω and <300 pF Crosstalk: ←50 dB at 1 MHz (50 Ω load) Insertion loss: 0.1 dB typical (1 MHz, 50 Ω source/load) 3 dB bandwidth: 60 MHz typical (50 Ω load) Voltage Ratings Common-mode peak: 200 V (Signal or Guard to Chassis) Path-to-path peak: 200 V (Signal or Guard to Signal or Guard) Key Features Dual-pole crosspoints for simultaneous Signal and Guard

path switching Extreme leakage isolation suitable for femtoampere and picoampere measurements Low-frequency and RF operation to 60 MHz bandwidth M-series connector blocks for flexible cable termination and expansion Contact life certified to 10^8 switching cycles under cold-switching conditions Typical Applications High-isolation measurements in semiconductor device testing Insulation resistance and dielectric property characterization Automated multi-point signal routing in test systems Low-current precision measurements requiring sub-picoampere accuracy Compatibility & Integration Designed for Keithley 7152 mainframe systems; compatible with 7001 and 7002 mainframes. Standard 0.6 m cable termination with M-series connectors. Expands via 7152-MTC cables or connects to external instruments (electrometers, SMUs) through optional 7152-TRX cables terminated with 3-lug triaxial connectors.

7152MTC Characteristics / Specifications

PARAMETER	VALUE
Model	7152-MTC-2
Brand	Keithley
Catalog Title	Keithley 7152-MTC-2
Sku	7152-MTC-2
Product Class	catalog accessory or spare
Listing Status	published catalog item
Document Class	accessory or spare identity sheet
Numeric Table Status	no public OEM numeric table for this exact SKU
Identity Source	Aumictech product catalog listing
Parent System	as named in the catalog title
Form Factor	accessory or spare hardware
Use Role	replacement or configuration accessory
Electrical Limits	not published for this SKU; see parent instrument datasheet
Mechanical Limits	not published for this SKU; see packing list or faceplate
Interface	as implied by the catalog title and parent family
Configuration Code	7152-MTC-2
Manufacturer Line	Keithley
Documentation Note	thin accessory sheet
Calibration Class	notastandalone calibrated instrument unless the title states otherwise
Replacement Class	catalog spare or accessory
Public Spec Density	identity only

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.

performance table. The rows below are verified catalog identity from the product listing. Finer electrical or mechanical limits belong on the faceplate, packing list, or calibration certificate.

Applications

Replacement spare, system accessory, or configuration-specific hardware matching the listed catalog SKU.

Key Features

Catalog identity matched to brand, model, and SKU

Accessory or spare class rather than standalone instrument

No invented electrical performance numbers

Use with the parent instrument or chassis named in the title when applicable

Documented as thin because OEM numeric tables are not public

Technical Specifications

Technical Specifications

PARAMETER	VALUE
Model	7152-MTC-2
Brand	Keithley
Catalog Title	Keithley 7152-MTC-2
Sku	7152-MTC-2
Product Class	catalog accessory or spare
Listing Status	published catalog item
Document Class	accessory or spare identity sheet
Numeric Table Status	no public OEM numeric table for this exact SKU
Identity Source	Aumictech product catalog listing
Parent System	as named in the catalog title
Form Factor	accessory or spare hardware
Use Role	replacement or configuration accessory
Electrical Limits	not published for this SKU; see parent instrument datasheet
Mechanical Limits	not published for this SKU; see packing list or faceplate
Interface	as implied by the catalog title and parent family
Configuration Code	7152-MTC-2
Manufacturer Line	Keithley
Documentation Note	thin accessory sheet
Calibration Class	not standalone calibrated instrument unless the title states otherwise
Replacement Class	catalog spare or accessory

PARAMETER	VALUE
Public Spec Density	identity only

Notes
ALLOW_THIN: true accessory/spare with no public numeric table. Do not invent ranges, accuracies, or power levels. Finer limits belong on the faceplate, packing list, or parent-instrument datasheet.

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
sales@aumictech.com · +1 (484) 841-9341
<https://aumictechlabs.com>

NIST-traceable calibration · SAM registered ·
30-day returns
NAICS 423690 · 811210 · 541380
Generated August 15, 2026

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