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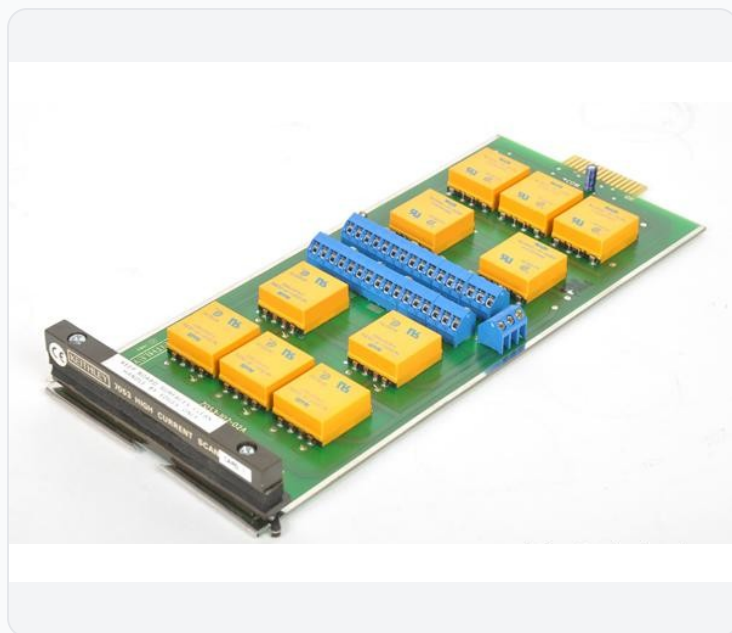
Data Sheet

August 13, 2026

KEITHLEY

Keithley 7053 High Current Scanner Card

The Model 7053 is a 10-channel high-current scanner card for Keithley scanner mainframes (705/706 family and 7001/7002 per switching handbook listings). Each channel uses a 2-pole FormCrelay with common guard; unselected inputs can be shorted Hi to Lo via user-removable jumpers. Rated 300 V, 5 A, 100 VA peak resistive, the card targets power-semiconductor and other high-current switching that exceeds general-purpose 7056 ratings. Quick-disconnect screw terminals accept up to number 18 AWG. Power semiconductor current path switching Relay Drive Current: 80 mA per relay typical Operating Temperature: 0 C to 50 C, up to 35 C at 70 percent RH Related General Purpose: 7056 / 7055 terminal section Specs from Keithley Model 7053 High Current Scanner Card instruction manual (7053-901-01C). Confirm mainframe compatibility (705/706 versus 7001/7002) on the nameplate and selector guide. Resistive-load rating only.



MODEL

Keithley 7053

CALIBRATION

Available on request

CONDITION

Used

STATUS

In stock

RFQ / SKU

7053

LISTING

<https://aumictechlabs.com/products/7053-2/>

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 • 811210 • 541380

This unit

The Keithley 7053 High Current Scanner Card is a 10-channel switching module engineered for automated testing within Keithley switching mainframes. It routes and switches high current signals up to 5A at 300V peak, delivering reliable performance across component testing, power supply evaluation, solar cell characterization, and IC validation. The card features 2-pole Form A contacts with common Guard and Z-pole Form C relays, offering contact resistance of 0.15Ω

maximum and contact potential below 1mV. Unselected inputs can be shorted via user-removable jumpers or left open for high-impedance voltage measurements. With channel isolation exceeding $10^9\Omega$ and differential input isolation above $10^7\Omega$, the 7053 maintains signal integrity in demanding industrial and laboratory environments. Actuation time is less than 15ms, and relay contact life reaches 10^7 closures under cold switching conditions or 10^5 closures at maximum signal level.

Technical Specifications Channels: 10 per card Contact Configuration: 2-pole Form A with common Guard; Z-pole Form C relays Maximum Signal: 300V peak, 5A switched, 100VA peak (resistive load only) Contact Resistance: 0.15Ω maximum; $<0.15\Omega$ to rated life Contact Potential: 10^7 closures (cold switching); $>10^5$ closures (at maximum signal level) Relay Drive Current: 80mA typical per relay Common Mode Voltage: 300V peak Channel Isolation: $>10^9\Omega$, $10^7\Omega$ to $>10^9\Omega$, $10^{11}\Omega$, $<150\text{pF}$ Actuation Time: $<15\text{ms}$ (exclusive of mainframe) Operating Temperature: 0°C to 50°C (up to 35°C at 70% RH) Storage Temperature: -25°C to $+65^\circ\text{C}$ Dimensions: 32mm H $\times$ 114mm W $\times$ 272mm L Weight: 0.37 kg Connector: Quick disconnect screw terminal, #18 AWG maximum Key Features User-removable jumpers configure unselected input behavior Shorted or open-circuit path selection for voltage and current measurements Compact form factor integrates into standard Keithley mainframe slots Exceeds EN61010-1/IEC 1010 safety requirements EMC compliance with EU Directive 89/336/EEC Compatibility & Integration Designed for integration with Keithley switching mainframes including Model 7051.

7053 Characteristics / Specifications

PARAMETER	VALUE
Model	7053
Manufacturer	Keithley Instruments
Instrument Type	High current scanner card
Alias	7053 high current card
Host Mainframes	Model 705 / 706 family; also listed for 7001 / 7002
Channels Per Card	10
Contact Configuration	2 pole FormCwith common Guard
Unselected Input Short	Hi to Lo via user removable jumpers
Connector	quick disconnect screw terminal, number 18 AWG maximum
Maximum Signal Level	300 V, 5 A, 100 VA peak (resistive load)
Contact Life Cold	1E7 closures
Contact Life Max Signal	1E5 closures
Contact Resistance	0.15 ohm maximum
Contact Potential	1 mV maximum
Actuation Time	less than 15 ms exclusive of mainframe
Channel Isolation	greater than 1E10 ohm and less than 50 pF
Input Isolation Differential	greater than 1E9 ohm and less than 150 pF
Input Isolation Common Mode	greater than 1E9 ohm and less than 150 pF
Common Mode Voltage	300 V peak
Relay Drive Current	80 mA per relay typical
Operating Temperature	0 C to 50 C, up to 35 C at 70 percent RH
Storage Temperature	-25 C to 65 C
Card Height	32 mm
Card Width	114 mm
Card Depth	272 mm

PARAMETER	VALUE
Net Weight	0.37 kg (13 oz)
Related General Purpose	7056 / 7055 terminal section
Related Low Current	7058
Related Low Voltage	7059

General Specifications & Supplementary Characteristics

PARAMETER	VALUE
Storage temperature	25 C to 65 C
Operating temperature	0 C to 50 C, up to 35 C at 70 percent RH
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Card Height	32 mm
Card Width	114 mm
Card Depth	272 mm
Net Weight	0.37 kg (13 oz)
Related General Purpose	7056 / 7055 terminal section
Related Low Current	7058
Related Low Voltage	7059 Notes Specs from Keithley Model 7053 High Current Scanner Card instruction manual (7053-901-01C). Confirm mainframe compatibility (705/706 versus 7001/7002) on the nameplate and selector guide. Resistive-load rating 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.

Specifications	
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Notes
Specs from Keithley Model 7053 High Current Scanner Card instruction manual (7053-901-01C). Confirm mainframe compatibility (705/706 versus 7001/7002) on the nameplate and selector guide. Resistive-load rating only.

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

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<https://aumictechlabs.com>

NIST-traceable calibration · SAM registered ·
30-day returns
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Generated August 13, 2026

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