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Data Sheet

August 13, 2026

KEYSIGHT / AGILENT / HP

Keysight / Agilent / HP 5181-2813 LCD Display for the 6681A Single-Output 5000 W DC Power Supply

LCD Display for the Keysight, Agilent, HP 6681A Single-Output 5000 W DC Power Supply. This is a replacement LCD screen designed specifically for the 6681A power supply unit. It ensures clear and accurate display of voltage, current, and other parameters, crucial for monitoring and controlling power supply performance.



MODEL

**Keysight / Agilent /
HP 5181-2813**

CALIBRATION

**Available on
request**

CONDITION

Used

STATUS

In stock

RFQ / SKU

5181-2813

LISTING

[https://aumictechlabs.c
om/products/5181-2813
-2/](https://aumictechlabs.com/products/5181-2813-2/)

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 · 811210 · 541380

This unit

The Keysight / Agilent / HP 5181-2813 is a replacement LCD display module for the 6681A Single-Output 5000 W DC Power Supply. This component delivers real-time visual feedback of operational parameters including voltage and current readings, status indicators, and system diagnostics. The display enables direct monitoring and control of power supply output, critical for high-power testing applications requiring precise feedback and parameter verification. Technical Specifications The 5181-2813 serves the 6681A power supply with the following output and performance characteristics: Output Ratings: 0 to 8 V, 0 to 580 A (5000 W maximum) Programming Accuracy (25°C ± 5°C): Voltage 0.04% + 8 mV; Current 0.1% + 300 mA Readback

Accuracy (25°C ± 5°C): Voltage 0.05% + 12 mV; Current 0.1% + 400 mA Load and Line Regulation: Voltage 0.002% + 0.3 mV; Current 0.005% + 40 mA Ripple and Noise (20 Hz to 20 MHz): 1.5 mV RMS; 10 mV peak-to-peak Transient Response: <900 µs recovery to within 150 mV following 100%-to-50% or 50%-to-100% load transitions Command Processing Time: 20 ms average (GPIB-connected units) Input Power: 3-phase AC; Option 208: 180-235 VAC, 47-63 Hz; Option 400: 360-440 VAC, 47-63 Hz Key Features Low output ripple and noise specification Selectable inductive load compensation Fan-speed control for acoustic noise reduction Built-in measurement and programmable control functions Extensive DUT protection circuits Remote sensing up to ±0.5× rated output voltage per lead Output floating capability to ±60 VDC from chassis ground Compatibility & Integration Fully compatible with 6681A architecture. Supports GPIB (IEEE-488.2) control with SCPI command set and VXIplug&play drivers. Analog voltage and current control supported. Serial link configuration enables daisy-chaining up to 16 power supplies through a single GPIB address.

51812813 Characteristics / Specifications

PARAMETER	VALUE
Model	5181-2813
Manufacturer	Hewlett Packard / Agilent / Keysight
Instrument Type	LCD display assembly
Alias	5181-2813
Parent Instrument	6681A single-output 5000 W DC supply
Parent Voltage	0 to 8 V
Parent Current	0 to 580 A
Parent Power	5000 W
Parent Family	6680A / 6681A / 6682A / 6683A / 6684A
Function	front panel LCD
Form	display assembly
Status	HP 6681A service part
Installation	6681A front panel; mains off
Documentation	668xA service display
Use	restore listed display
Compatibility	6681A (confirm 6680-series dash)
Identification	5181-2813
Power	6681A display harness
Cooling	6681A airflow
Calibration	metering cal of 6681A after swap if required
ESD	display PCA
NotASupply	display only
Related 6682A	21 V 220 A class sibling
Related 6680A	5 V 875 A class sibling
Interface Parent	GPIB on 6681A

PARAMETER

VALUE

Duty

continuous in 6681A

Safety

mains still in the 6681A chassis Notes Identity from HP 5181-2813 LCD for 6681A 8 V / 580 A / 5000 W. Electrical ratings belong to 6681A. Confirm 6681A versus other 668xA display dashes.

51812813 Specifications

PARAMETER	VALUE
Applications	6681A front LCD replacement
Key Features	LCD 5181-2813
Technical Specifications	Model: 5181-2813

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 (8 V, 580 A, 5 kW).
Applications
6681A front LCD replacement
6680-series display MRO
Restore V/I meters on 5000 W supplies
Key Features
LCD 5181-2813
Parent 6681A 8 V 580 A 5000 W
NotaDC source
Like-for-like display PCA/module
Technical Specifications

Technical Specifications

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Instrument Type	LCD display assembly

Specifications

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Parent Instrument	6681A single-output 5000 W DC supply
Parent Voltage	0 to 8 V

Specifications

PARAMETER	VALUE
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Parent Power	5000 W
Parent Family	6680A / 6681A / 6682A / 6683A / 6684A

Specifications

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Form	display assembly

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Specifications

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Notes

Identity from HP 5181-2813 LCD for 6681A 8 V / 580 A / 5000 W. Electrical ratings belong to 6681A. Confirm 6681A versus other 668xA display dashes.

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