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Data Sheet

August 15, 2026

CITIZEN / MICRON / DISPLAYTECH

Citizen Displaytech DR95 FLC Driver Board

Citizen Displaytech DR95 FLC Driver Board Queue model DR95 isaCitizen / Micron / Displaytech FLC driver board. Displaytech ferroelectric liquid-crystal driver boards context is host-family documentation, notasubstitute for this SKU drawing. Exact ratings are on the DR95 nameplate and drawing. FLC display drive in systems that specify DR95 in systems that specify DR95. Displaytech ferroelectric liquid-crystal driver boards Queue model DR95 isaCitizen / Micron / Displaytech FLC driver board. Displaytech ferroelectric liquid-crystal driver boards context is host-family documentation, notasubstitute for this SKU drawing. Exact ratings are on the DR95 nameplate and drawing. FLC display drive in systems that specify DR95 in systems that specify DR95. Displaytech ferroelectric liquid-crystal driver boards Manufacturer: Citizen / Micron / Displaytech

**MODEL****Citizen / Micron /
Displaytech DR95****CALIBRATION****Available on
request****CONDITION****Used****STATUS****In stock****RFQ / SKU****DR95****LISTING**<https://aumictechlabs.com/products/dr95-2/>

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 • 811210 • 541380

This unit

The Citizen / Micron / Displaytech DR95 FLC Driver is a specialized electronic component designed for the precise control of Ferroelectric Liquid Crystal (FLC) displays, shutters, and polarization rotators. This driver is engineered to optimize the performance and longevity of FLC devices by providing a carefully shaped output waveform that facilitates the fastest possible FLC transition times while preserving the integrity of the FLC material. It is particularly well-suited for applications demanding high-speed optical response and precise control over light polarization.

The DR95 FLC Driver is a low-cost, TTL/CMOS controlled unit that integrates with external signal sources and laboratory generators to produce synchronized, precision FLC drive pulses. Its design incorporates extended-range Schmitt trigger circuitry, allowing compatibility with a variety of input signal types, including standard 5V TTL CMOS, 6-15V CMOS, and analog signals up to $\pm 20V$. The output amplifier utilizes high-speed MOSFET devices and precision voltage references to ensure a high degree of symmetry, balance, and accuracy across different temperatures and over time. The unit is capable of delivering over one Amp of drive current and features short-circuit protection for its output stage. It can simultaneously operate multiple FLC devices with a combined area of up to 10 cm^2 , making it suitable for demanding applications.

Technical Specifications

- Product Name:** Citizen / Micron / Displaytech DR95 FLC Driver
- Function:** Controls Ferroelectric Liquid Crystal (FLC) displays, shutters, and polarization rotators.
- Waveform Optimization:** Designed for fast FLC transition times and maximum FLC device life.
- Drive Current Capability:** Capable of over 1 Ampere.
- Simultaneous Device Operation:** Supports multiple FLC devices with a combined area up to 10 cm^2 .
- Input Signal Compatibility:**
 - * Standard 5V TTL CMOS
 - * 6-15V CMOS
 - * Analog signals up to $\pm 20V$.
- Control Interface:** TTL/CMOS drive and gate input.
- Output Protection:** Short circuit protected output.
- Power Input:**
 - * 105-135 VAC at 50-60 Hz
 - * 210-270 VAC at 50-60 Hz.
- Power Cord:** Features a standard IEC detachable power cord.
- Standby Power Down:** Includes a 20-minute standby power down feature.

Electrical Characteristics

- * Output Amplifier:** Utilizes high-speed MOSFET devices and precision voltage references.
- Symmetry and Accuracy:** Achieves high degree of symmetry, balance, and accuracy over time and temperature ranges.
- Input Signal Conditioning:** Extended range Schmitt trigger circuitry for solid signal reception.

Interfaces

- * Logic Input:** TTL/CMOS compatible.
- Analog Input:** $\pm 20V$ maximum range.
- Gate Input:** For disabling the drive signal.

Physical Characteristics

- * Design:** Compact design.
- Compatibility**
 - * **FLC Devices:** Specifically designed for driving Ferroelectric Liquid Crystal shutters and polarization rotators.
- External Signal Sources:** Requires an external signal source or lab generator for operation.

Application Areas

- * Optical Switching:** Enabling rapid optical switching applications.
- Polarimetry:** Facilitating precise polarization measurements.
- Microdisplays:** Used in advanced microdisplay technologies.
- High-Speed Imaging:** Supporting applications requiring fast optical response times.

Manufacturer Information

- * Original Manufacturers:** Citizen, Micron, Displaytech.
- End-of-Life Status:** The product may be available from third-party suppliers such as Artisan Technology Group beyond its End-of-Life (EOL) by the original manufacturer.

Why Choose Aumictech for the Citizen / Micron / Displaytech DR95 FLC Driver? At Aumictech, we specialize in supplying high-end electronic control equipment. Whether you need precise drive pulses for FLC devices, optimized waveforms for rapid optical switching, or reliable component sourcing for specialized display applications, our team ensures the Citizen / Micron / Displaytech DR95 FLC Driver delivers maximum performance for your application.

DR95 Characteristics / Specifications

PARAMETER	VALUE
Model	DR95
Instrument Type	FLC driver board
Manufacturer	Citizen / Micron / Displaytech
Literature	remaining-queue listing Citizen Displaytech DR95 FLC Driver Board
Family	Displaytech ferroelectric liquid-crystal driver boards
Form Factor	as installed per drawing
System Role	FLC display drive in systems that specify DR95
Brand Lineage	Citizen / Micron / Displaytech
Queue Title	Citizen Displaytech DR95 FLC Driver Board
Documentation Type	OEM remaining-queue listing
Use Case	FLC display drive in systems that specify DR95
Vendor Path	Citizen / Micron / Displaytech
Year Class	DR95 generation
Application Class	FLC driver board
Module Class	FLC driver board
Host Class	host on the drawing
Connector Class	connectors on the drawing
Ate Class	industrial / lab ATE class
Control Class	front panel / firmware on the drawing
Environment Class	ambient on the nameplate
Voltage Class	volts on the nameplate
Current Class	amperes on the nameplate
Config	DR95 remaining-queue suffix
Function Class	function on the drawing
Display Role	FLC driver board

PARAMETER	VALUE
Lineage	Citizen / Micron / Displaytech

DR95 Specifications

PARAMETER	VALUE
Citizen Displaytech DR95 FLC Driver Board	Overview
Applications	FLC display drive in systems that specify DR95 in systems that specify DR95.
Key Features	Citizen / Micron / Displaytech DR95
Technical Specifications	Model: DR95
Notes	From remaining-queue title (Citizen Displaytech DR95 FLC Driver Board). Drive voltages are on the DR95 drawing.

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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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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30-day returns
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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.