

VCOM Trimster™ AVT102 LCD Panel Calibrator With Programmable VCOM & VREF Plus Integrated EDID Memory

FEATURES

- Programmable LCD Panel V_{COM} reference.
- Programmable V_{REF} output
- High Precision: 1mVolt Programming Resolution for Both Outputs
- Absolute Voltage Programming
 - Eliminates variation due to AVDD variation panel to panel
 - Ground referenced output voltages
- Integrated 2K-bit EDID serial Memory
- Simple Programming Interface Using the Alta AP100 Programmer

DESCRIPTION

The AVT102 is a programmable V_{COM} reference and V_{REF} generator that is designed to provide a simple method of calibrating V_{COM} references on LCD panels in order to reduce flicker and to provide an easily adjustable V_{REF} to a Gamma reference resistor string.

The V_{COM} and V_{REF} reference voltages are stored as an analog voltage on a proprietary nonvolatile cell. The V_{COM} voltage can be programmed to $\pm 1\text{mV}$ on every panel, regardless of the AVDD value for that panel.

The AVT102 also incorporates a 2K-bit serial E²PROM memory providing the ideal EDID memory for notebook applications

APPLICATIONS

- LCD Panels
 - Automated Flicker Reduction
 - Facilitates Windows Vista Compliance

