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**VCOM Trimster™ AVT101**  
**LCD Panel Calibrator With Programmable VCOM**  
**Plus Integrated EDID Memory**

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**FEATURES**

- Programmable LCD Panel  $V_{COM}$  reference.
- High Precision: 1mVolt Programming Resolution
- 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

**APPLICATIONS**

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

**DESCRIPTION**

The AVT101 is a programmable  $V_{COM}$  reference generator that is designed to provide a simple method of calibrating  $V_{COM}$  references on LCD panels in order to reduce flicker.

The  $V_{COM}$  reference voltage is 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 AVT101 also incorporates a 2K-bit serial E<sup>2</sup>PROM memory providing the ideal EDID memory for notebook applications

