

Notebook and Tablet LCD Panel Level-shifter with 13-Ch. Output and Gate Pulse Modulator

Features

- High-Voltage Level Shifter
 - . Logic Level Inputs
 - . -10 V to 38 V Output Rails
 - . Gate Pulse Modulator
 - . Discharge Output
- 40-bump, WCSP package
- Protection
 - . Thermal Shutdown

Applications

- LCD Notebook and Tablet Panels

Description

The SM4402 consists of a high-voltage level-shifting scan driver (level-shifter) with the gate pulse modulator (GPM). The gate pulse modulator provides a modulated voltage synchronized with clock signal FLK15, 26, 37, 48. The high-voltage level-shifting scan driver with the GPM is fitted for capacitive loads and work well with panels that contain row drivers on the panel glass. The device is optimized for thin-film transistor (TFT) liquid-crystal display (LCD) applications.

Device Information

Part	Package	Size
SM4402	40 WCSP	3.27 mm x 2.07 mm

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