



# SANYO Semiconductors DATA SHEET

## LA7840 — Monolithic Linear IC Vertical Output IC

### Overview

The LA7840 is a vertical deflection output IC for high-definition TV and CRT displays in systems that use a bus control system signal-processing IC. This IC can directly drive (including the DC component) the deflection yoke from the sawtooth wave output from the bus control system signal-processing IC. The color TV vertical deflection system adjustment function can be controlled from the bus system when this IC is used in conjunction with a SANYO LA768X or LA769XX series TV bus control system signal-processing IC.

The LA7840 provides a maximum deflection current of 1.8Ap-p, and thus is optimal for small to medium diameter CRTs.

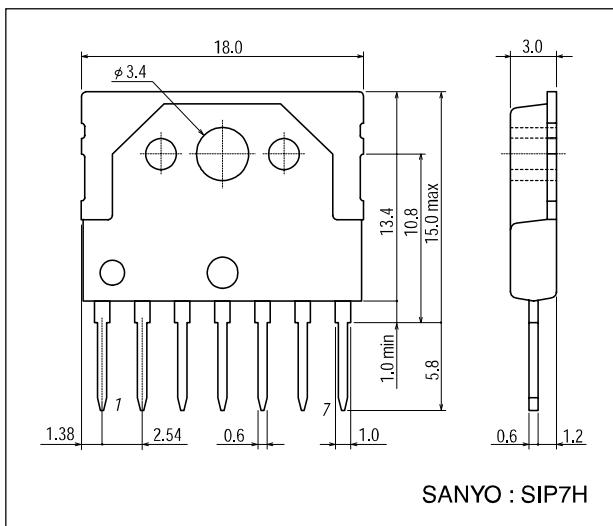
### Features

- Low power operation achieved by using integrated charge pump circuit
- Vertical output circuit
- Thermal protection circuit
- Excellent crossover characteristics
- Supports DC coupling

### Package Dimensions

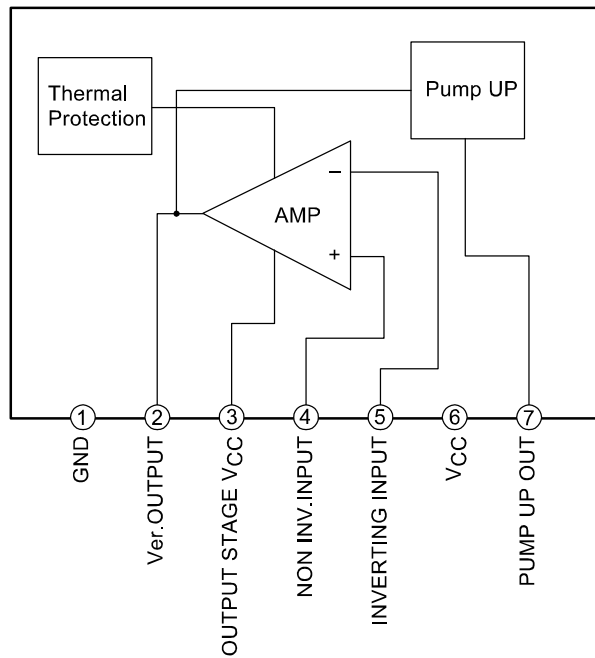
unit : mm

3075



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## Block Diagram



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