

# SANYO Semiconductors **DATA SHEET**

## LA76818A — Monolithic Linear IC I<sup>2</sup>C Bus Control IC

#### Overview

The LA76818A is I<sup>2</sup>C bus controller ICs that support the different TV broadcast formats used worldwide and aim for rationalization of color TV set design, improved manufacturability, and lower total costs

#### **Features**

- Single crystal multiformat system that supports the different TV broadcast formats used worldwide Multiformat system: LA76818A (YCbCr support)
- Adjustment-free VIF/SIF, audio trap/audio bandpass filters
- Adjustment-free horizontal resonator system
- Simplified SG
- Supply voltage :  $V_{CC} = 5V/9V$
- VIF/SIF

Adjustment-free VCO, 4-mode audio trap/audio bandpass filter, buzz canceller RF AGC/video level

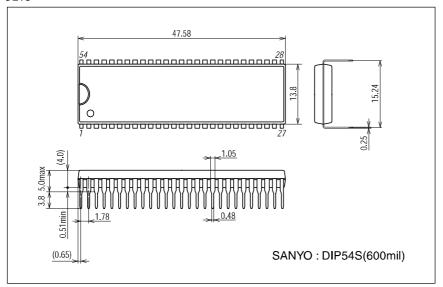
SIF system automatic discrimination (The LA7973 is used as the automatic discrimination IC.)

- Single crystal color system: PAL, NTSC, SECAM (The LA7642N is used as the SECAM decoder.)
- Black stretch, sharpness control with coring on/off control, built-in variable Y system filters (Y-DL and chrominance trap)
- Chrominance bandpass filter, demodulation ratio and angle control

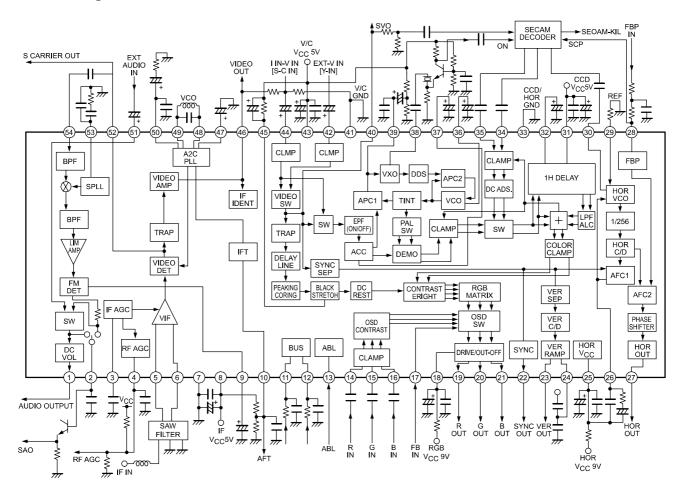
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### **Package Dimensions**

unit : mm 3273



## **Block Diagram**



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