



LA7565B, 7565BM

IF Signal-Processing IC for PAL/NTSC Multi-System Audio TV and VCR Products

Overview

The LA7565B/M is a PAL/NTSC multi-system audio VIF/SIF signal-processing IC that adopts a minimal-adjustment technique. The VIF circuit adopts a minimal-adjustment technique in which AFT adjustment is made unnecessary by VCO adjustment to simply end product adjustment. The FM detector circuit uses PLL detections to support multi-system audio detection. Since the LA7565BM include an SIF converter on chip, it is easy to implement multi-system audio. In addition, it also includes a buzz canceller that suppresses Nyquist buzz to achieve improved audio quality.

Functions

[VIF Block]

- Minimal adjustment PLL detector
- AFT
- RF AGC
- Equalizer amplifier
- SIF converter

[First SIF Block]

- First SIF detector
- Inter/split switch
- HPF

[SIF Block]

- PLL type FM detector

[Mute Block]

- AV mute

Features

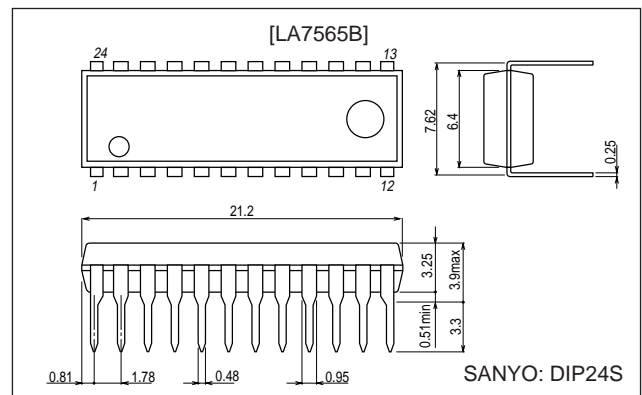
- Allows the use of a switch circuit to switch between split and intercarrier operation.
- Improved buzz and buzz beat characteristics provided by a PLL detector plus buzz canceller system.
- The IF AGC second filter is built in.

- PAL/NTSC multi-system audio can be implemented easily.
- Adjustment-free circuit design that does not require AFT and SIF coils.

Package Dimensions

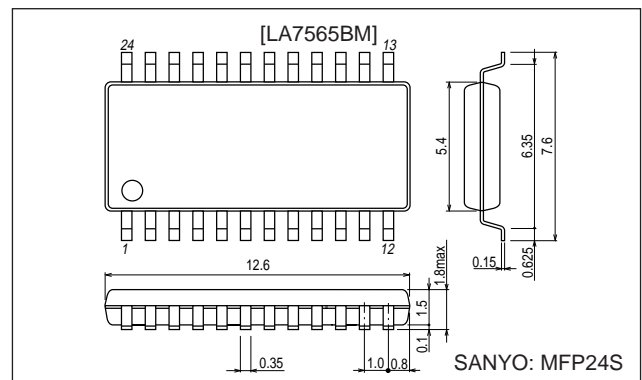
unit: mm

3067-DIP24S



unit: mm

3112-MFP24S



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