

# LA9210M, LA9211M

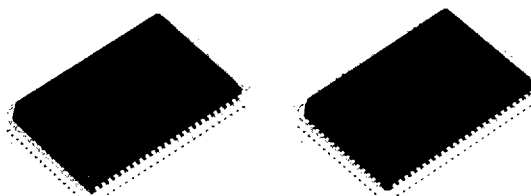
## Overview

The LA9210M is an analog signal processor (ASP) IC developed for three-beam CD players.

(The LA9211M has no APC.)

## Functions

- RF amplifier
- Slice level control (for EFM signals)
- APC for P- or N-substrate lasers
- VCO control amplifier (for PLL loop filter)
- VCO (double-speed playback)
- Focus error amplifier
- Tracking error amplifier
- Track-jump amplifier
- Focus servo equalizer amplifier
- Tracking servo equalizer amplifier
- Spindle servo equalizer amplifier
- Sled servo equalizer amplifier
- Detection functions: focus (DRF, FZD), defects, track (HF, TES), shock
- On/off switch functions: laser, servos



## Features

- Few external components
- Built-in servo equalizer amplifiers
- Built-in APC (laser control)
- Can operate on one side power supply (+7V and +5V) or ±5V power supply

## Package

80-pin flat package (QIP80E)

## Block diagram

