

AN8499SH IC for Driving Optical Disc Motors

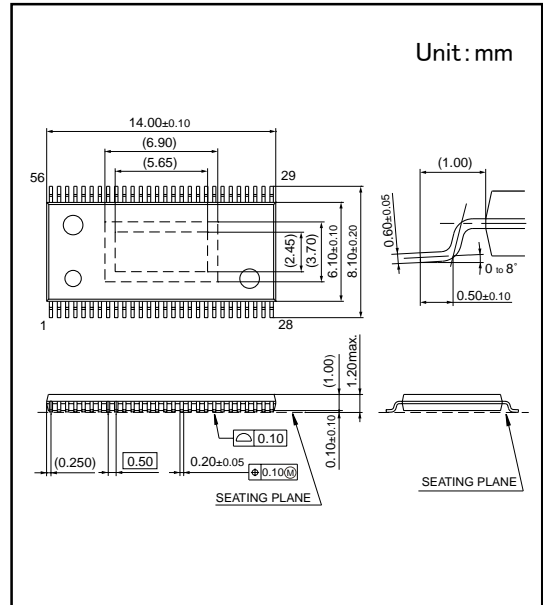


Overview

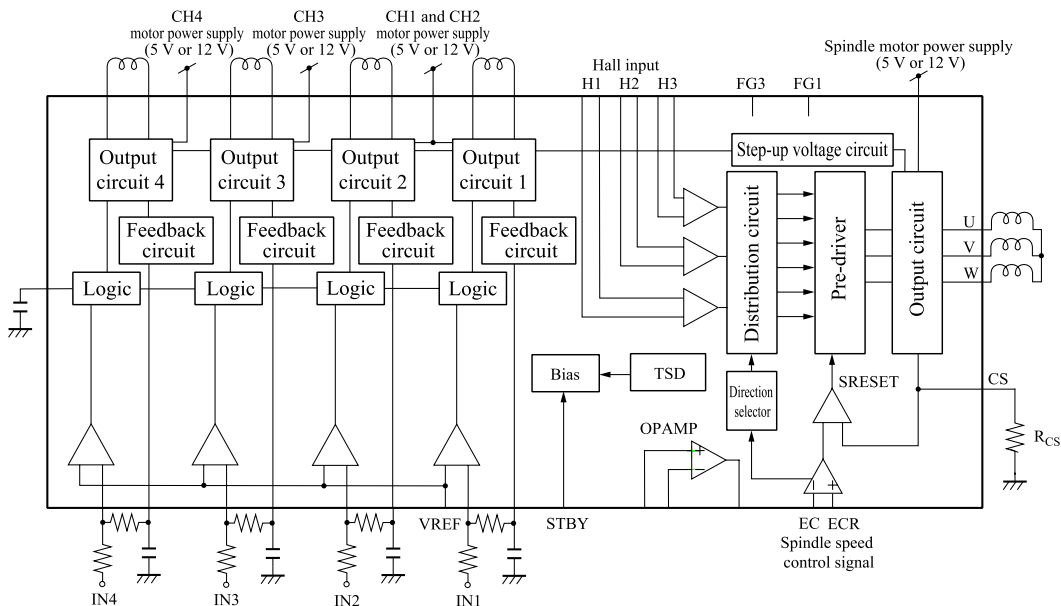
The AN8499SH is an IC that incorporates 5-channel full-PWM drive circuit ideal for optical disc drive applications, such as CD-ROM, DVD-ROM, CD-RW, and DVD-RAM drives. Panasonic's newly developed circuit design applied to this IC ensures smooth spindle motor driving with the reduction of current consumption and noise generation

Feature

- Low-noise, three-phase full-wave PWM drive for spindle motors.
- Low current consumption ensured by the five-channel direct PWM system.
- High-current D-MOS output with low power dissipation.
- Incorporating a short-brake function to suppress heat radiation.
- Providing 3x FG output (open-collector type)
- Four power pins can work separately to connect to an independent power supply each.
- All channels are driven at 5 V or 12 V.
- Incorporating a general-purpose operational amplifier.
- Incorporating a thermal protection circuit.
- Compact, thin power package with 0.5-mm-pitch lead pins employed.



Block Diagram



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