

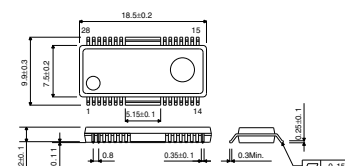
5-channel driver for CD/DVD players

BA5815FM

●Description

The BA5815FM is a power driver IC for 5-channel CD and DVD players. Two channels incorporate filters and can connect PWM input directly. The additional 2 channels incorporate a standard operational amplifier. It can reduce the external components greatly. In the loading driver, output voltage can be adjusted to each device.

●Dimension (Units : mm)



●Features

- 1) 4-channel BTL driver and 1-channel reversible driver
- 2) 2 channels are PWM input direct-coupled type.
(Built-in primary filter)
- 3) 2 channels have standard operational amplifiers.
- 4) The device can be miniaturized due to the adoption of HSOP-M28 power package.
- 5) Built-in thermal shut down circuit
- 6) Wide dynamic range(9.2V(Typ.) at Vcc=12V, RL=8Ω)

HSOP-M28

●Applications

DVD, CD players

●Absolute Maximum Ratings(Ta=25°C)

Parameter	Symbol	Limits	Unit
Power supply voltage	Vcc	13.5	V
Power dissipation	Pd	2.2 *	W
Operating temperature range	Topr	-40 ~ +85	°C
Storage temperature range	Tstg	-55 ~ +150	°C

*Derating : 17.6 mW/°C for operation above Ta=25°C (70×70×1.6mm) glass epoxy board

●Recommended Operating Conditions(Ta=25°C)

Parameter	Symbol	Min.	Typ.	Max.	Unit
Power supply voltage	Vcc	4.3	12.0	13.2	V

(Unless otherwise noted; $T_a=25^\circ\text{C}$, $V_{cc1,2}=12\text{V}$, $\text{BIAS}=1.65\text{V}$, $R_L=8\Omega$)

* This product is not designed for protection against radioactive rays.