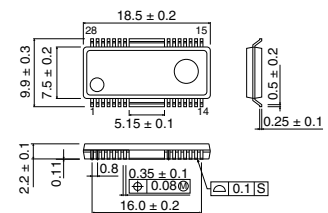


4-channel BTL driver BA5824FP

● Description

BA5824FP incorporates 4-channel drivers that operate the motor and the actuator for car CD players. CH1,2 and CH3,4 each have power supply independently. The highly efficient drive can be achieved due to the low voltage operation. The input of CH4 can be switched by the control pin.

● Dimension (Units : mm)



HSOP28

● Features

- 1) Wide dynamic range
- 2) Built-in thermal shut down circuit
- 3) Built-in mute function by control pin and mute pin

● Applications

CD players, DVD players
CD players, and DVD players for Car

● Absolute Maximum Ratings (Ta=25°C)

Parameter	Symbol	Limits	Unit
Maximum applied voltage	Vcc	18	V
Power dissipation	Pd	1700	mW
Operating temperature range	Topr	-35 ~ +85	°C
Storage temperature range	Tstg	-55 ~ +150	°C

Derating : 13.6mW/°C for operation above Ta=25°C

● Recommended Operating Conditions (Ta=25°C)

Parameter	Symbol	Min.	Typ.	Max.	Unit
Power supply voltage	V _{CC}	4.5	8	14	V

● Electrical characteristics (Unless otherwise noted; Ta=25°C, V_{CC}=8V)

Parameter	Symbol	Min.	Typ.	Max.	Unit	Conditions
Consumption current at no signal	I _Q	–	22	32	mA	No load
Output offset voltage	V _{oof}	–50	0	50	mV	
Maximum output voltage	V _{OM}	5.4	6.0	–	V	
Voltage gain	G _{VC}	10.0	11.7	13.4	dB	V _{IN} =±0.5V
Pre-Op. Amp offset voltage	V _{OFOP}	–6	0	6	mV	
Pre-Op. Amp high level voltage	V _{OHOP}	7.5	7.9	–	V	
Pre-Op. Amp low level voltage	V _{LOP}	–	0.2	0.5	V	

● Application Circuit

