

Panasonic

4ch PWM Driver IC AN41050A

■ Overview

AN41050A is a 4-channel driver IC designed for optical disks system such as CD and MD player. It has 3 PWM (pulse width modulation) input channel and 1 linear input channel. With the implementation of PWM system, Low power consumption and small package are achieved.

■ Feature

<CH1 ~ CH3>

- PWM input, PWM output (PVCC1=6 V min 7 V typ 9 V max)
- Low power consumption achieved by using DMOS output transistor.
- Built-in booster circuit for DMOS drive.

<CH4>

- linear input, PWM output (PVCC2= 6 V min 7 V typ 13 V max)
- Low power consumption achieved by using DMOS output transistor.
- Built-in booster circuit for DMOS drive of only ch4.
- Controllable carrier frequency by external capacitor adjustment (pin CT).
(Frequency is 100 kHz when external capacitor is 100 pF.)
- Controllable driver input/output gain by external resistance adjustment.

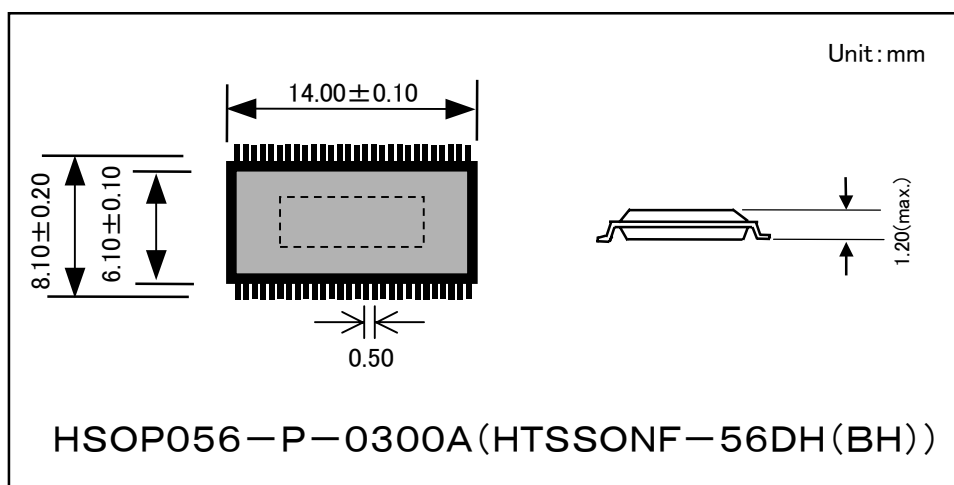
<OTHERS>

- Incorporating one general-purpose OP-Amp.
- Incorporating thermal shutdown circuit.
- Incorporating stand-by function that mutes all the channels.
- Incorporating SVCC/VREF reset function.
- Excellent heat radiation characteristics is available by mounting heat sink of bottom side.

■ Applications

Audio CD, MD and DVD-player actuator and motor driver applications

■ Package



The products and specification are subject to change without any notice. Please ask for the latest Product Standards to guarantee the satisfaction of your product requirements.

Semiconductor Company, Matsushita Electronics Corporation