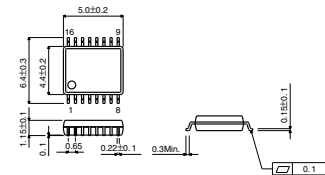


## Actuator/Motor Driver for CD-ROM BH6526FV

### ● Description

BH6526FV is a 2channel PWM driver developed for driving actuator and motor of CD-ROM. This IC has achieved lower power consumption of the set by using power MOS FET in output. Furthermore, using a small SSOP-B16 package and reducing external parts can achieve the size reduction.

### ● Dimension (Units : mm)



### ● Features

- 1) Lower power consumption of sets by adopting PWM system
- 2) Narrow dead band allows good play ability
- 3) Few external parts required
- 4) Small SSOP-B16 package
- 5) Power supply voltage : 5V  
Pre-driver block : Vcc+1.7V~11.5V

### SSOP-B16

### ● Applications

CD-ROM, DVD-ROM, DVD

### ● Absolute Maximum Ratings (Ta=25°C)

Parameter	Symbol	Limits	Unit
Power supply voltage	Vcc	9	V
Pre-driver supply voltage	VG(15pin)	12	V
Driver output current	Io	800	mA
Power dissipation	Pd	562.5 *	mW
Operating temperature range	Topr	-30 ~ +85	°C
Storage temperature range	Tstg	-55 ~ +150	°C

\*Derating : 4.5mW/°C for operation above Ta=25°C

On less than 3% (percentage occupied by copper foil), 70mmx70mm, t=1.6mm, glass epoxy mounting.

● Recommended Operating Conditions (Ta=25°C)

Parameter	Symbol	Min.	Typ.	Max.	Unit
Power supply voltage	V <sub>CC</sub>	3.5	5.0	5.5	V
Pre-driver supply voltage	V <sub>G</sub> (9pin)	V <sub>CC</sub> +1.7	10.0	11.5	V

● Electrical characteristics

(Unless otherwise noted; Ta=25°C, V<sub>CC</sub>=5.0V, V<sub>G</sub>=10.0V, V<sub>ref</sub>=2.5V, R<sub>L</sub>=8Ω+47μH)

Parameter	Symbol	Min.	Typ.	Max.	Unit	Conditions
Current at no signal (V <sub>CC</sub> )	I <sub>CC1</sub>	—	1.9	3.7	mA	
PWM driver						
Output offset voltage	V <sub>OO</sub>	-50	0	50	mV	
Voltage gain	G <sub>VC</sub>	12.0	14.0	16.0	dB	
Output ON resistance	R <sub>ON</sub>	1.0	1.7	2.4	Ω	Sum (Top+Bottom)

● Application Circuit

