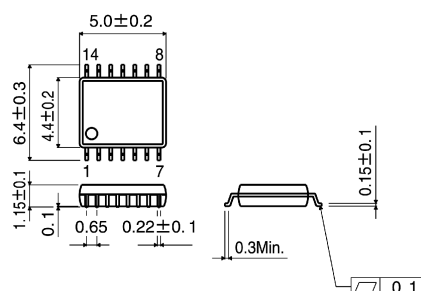


Line amplifier for CD-ROM/DVD-ROM **BH3527FV**

Description

The BH3527FV is a line amplifier that elevates the audio analog signal for CD-ROMs. The IC includes an output mute circuit to reduce POP noise caused by the power being turned OFF and ON.

Dimension(Units:mm)



SSOP-B14

Features

- 1) Built-in 2 line amplifiers (3.5dB)
- 2) Built-in output mute circuit
- 3) Few external components

Applications

CD-ROM, DVD-ROM, Game machines

Absolute Maximum Ratings(Ta=25°C)

Parameter	Symbol	Limits	Unit
Supply voltage	V _{MAX}	7.0	V
Power dissipation	P _d	400 *	mW
Operating temperature range	T _{opr}	-25 ~ +75	°C
Storage temperature range	T _{stg}	-55 ~ +125	°C

*Derating: 4.0mW/°C for operation above Ta=25°C.

Recommended Operating Conditions(Ta=25°C)

Parameter	Symbol	Min.	Typ.	Max.	Unit
Supply voltage	V _{CC}	3.5	-	5.5	V
Load resistance	R _L	-	47	-	kΩ

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