

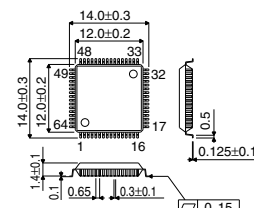
Sound Processor IC

BH3878KS2

●Description

BH3878KS2 is a sound controller IC for mini component stereo. 5-channel input selector, vocal fader, volume, surround, 5-band graphic equalizer, dynamic bass, and 5-band spectrum analyzer are all integrated into this single chip. Switching noise is reduced when volume, vocal fader, surround and dynamic bass are changed by soft switch.

●Dimension (Units : mm)



SQFP-T64

●Features

- 1) All in one chip IC incorporating functions of volume, tone, and spectrum analyzer.
- 2) Soft switching that can reduce the stepping switching noise when volume, mode selector, surround, dynamic bass and the gain of graphic equalizer are switched.
- 3) 5-channel input selector, mode selector, volume, surround graphic equalizer, dynamic bass, and spectrum analyzer can be controlled by serial control from micro controller.
- 4) Built-in matrix surround, B.P.F for spectrum analyzer.
- 5) Low distortion, low noise by BiCMOS process using resistance ladder type volume.
- 6) Mode of dynamic bass and bi-amplifier can be switched.

●Applications

Mini component stereo, micro component stereo, CD radio cassette player, TV

●Absolute Maximum Ratings (Ta=25°C)

Parameter	Symbol	Limits	Unit
Power supply voltage	Vcc	10.0	V
Power dissipation	Pd	1200 *	mW
Operating temperature range	Topr	-20 ~ +70	°C
Storage temperature range	Tstg	-55 ~ +125	°C

*Derating : 12.0mW/°C for operation above Ta=25°C

●Recommended Operating Conditions (Ta=25°C)

Parameter	Symbol	Min.	Typ.	Max.	Unit
Power supply voltage	Vcc	8.5	9	9.5	V

