

Class-AB Stereo Speaker Amplifier

BD7836EFV Evaluation Board Information

BD7836EFV-EVK-001

● General

BD7836EFV is a Class-AB stereo speaker amplifier, developed for note-book PC, desktop PC, portable devices and others. Maximum Output is 1.9W+1.9W (typ.)

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Conditions

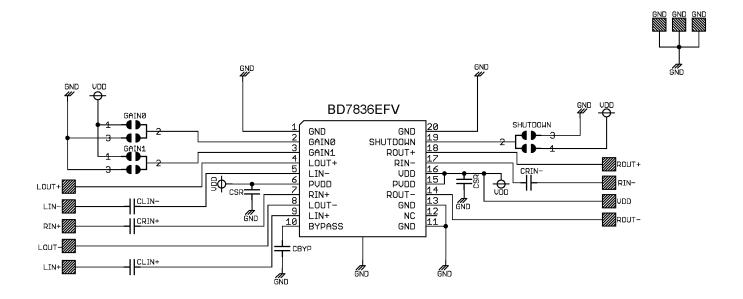
Item	Symbol	Range	Unit
Power Supply Voltage	V _{CC}	+4.5 ~ +5.5	V
Input Voltage	V _{IN}	-0.3~Vcc+0.3	V
Load Impedance	RL	4≦	Ω

This document is information of the evaluation board when we evaluated the device.

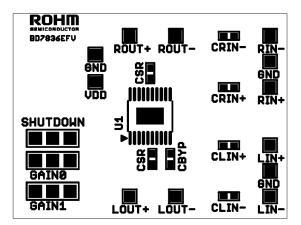
This information will help you when designing your evaluation board.

Notice, the evaluation board is not available for sale.

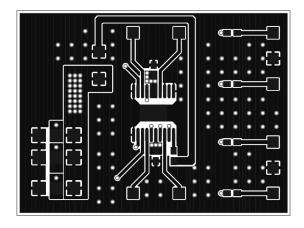
●Circuit Diagram



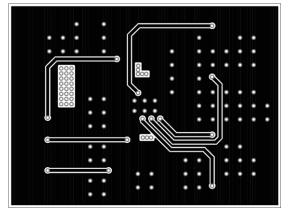
●PCB layout



TOP SILKSCREEN - TOP VIEW

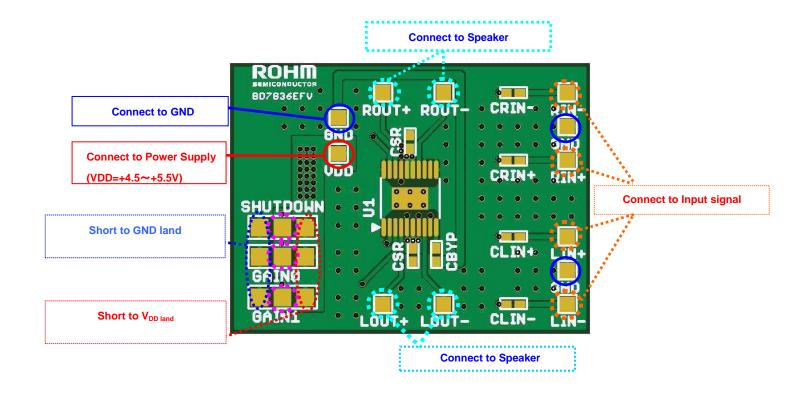


TOP LAYER - TOP VIEW



BOTTOM LAYER - TOP VIEW

●Usage



■BOM List

num	Part number	Туре	Value	Package/ SMD sze
1	U1	IC	_	HTSSOP-B20
5	CLIN+/-, CRIN+/-, CBYP	Ceramic Capacitor	0.47µF	1608
2	CSR	Ceramic Capacitor	0.1µF	1608

Notes

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