

**DEVICE NOT RECOMMEN**

**NEW DES**

# RHYTHM SB3230



## BLOCK DIAGRAM

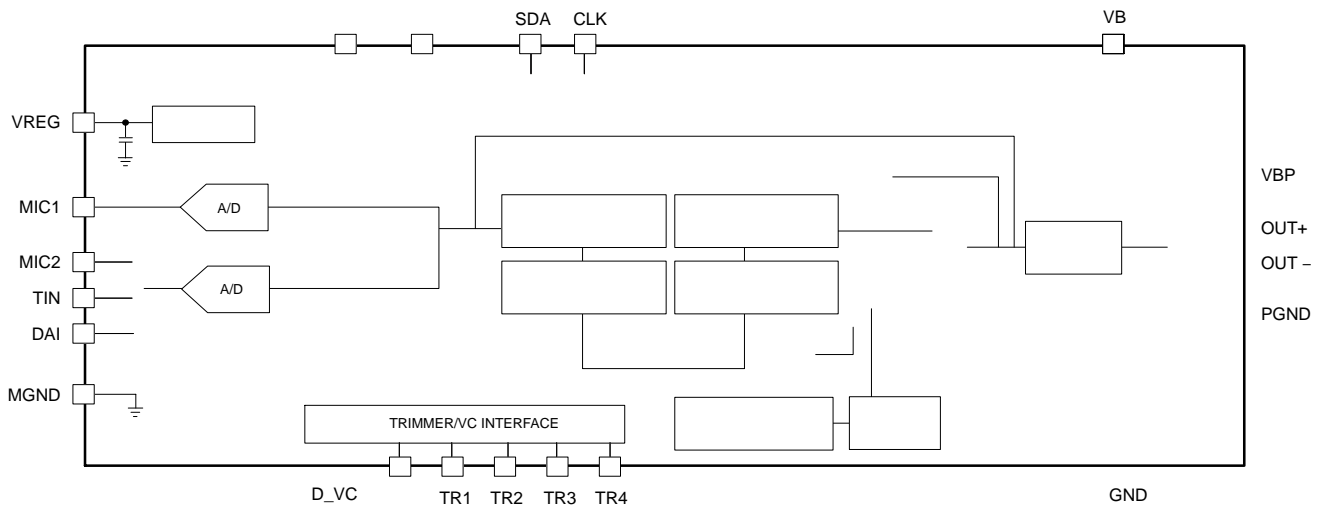


Figure 1. Hybrid Block Diagram

# RHYTHM SB3230

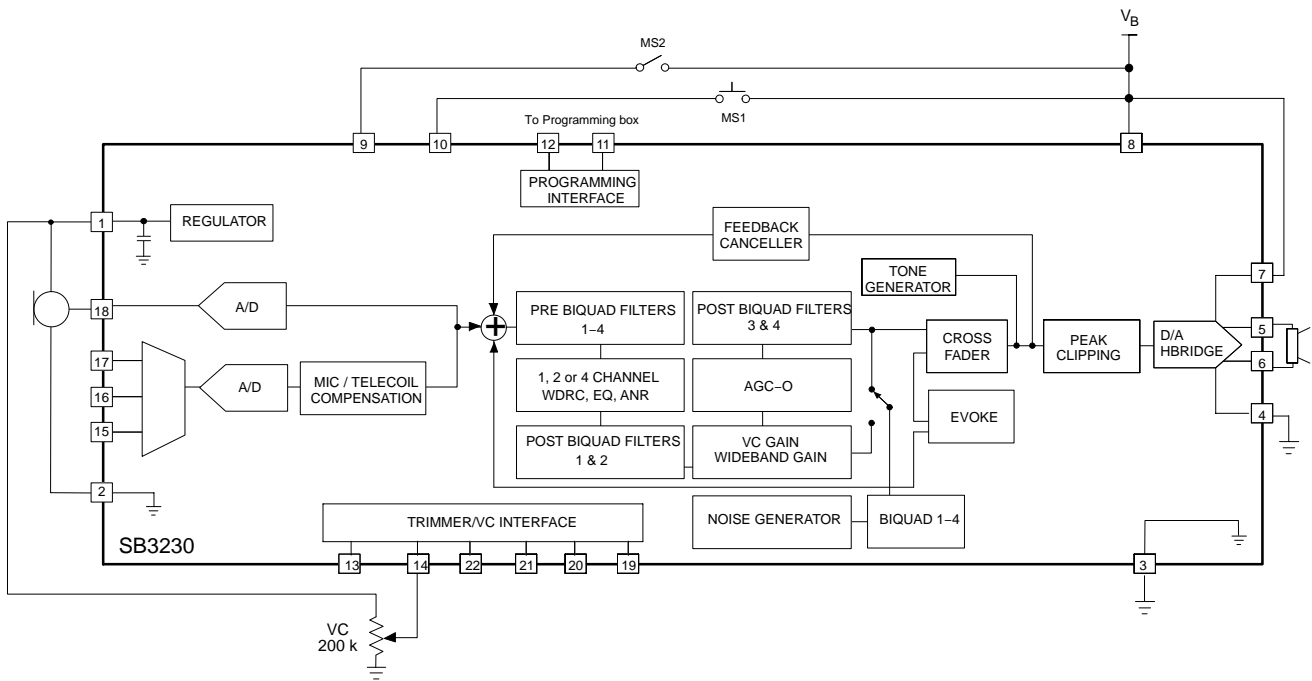
## SPECIFICATIONS



Table 3. I<sup>2</sup>C TIMING

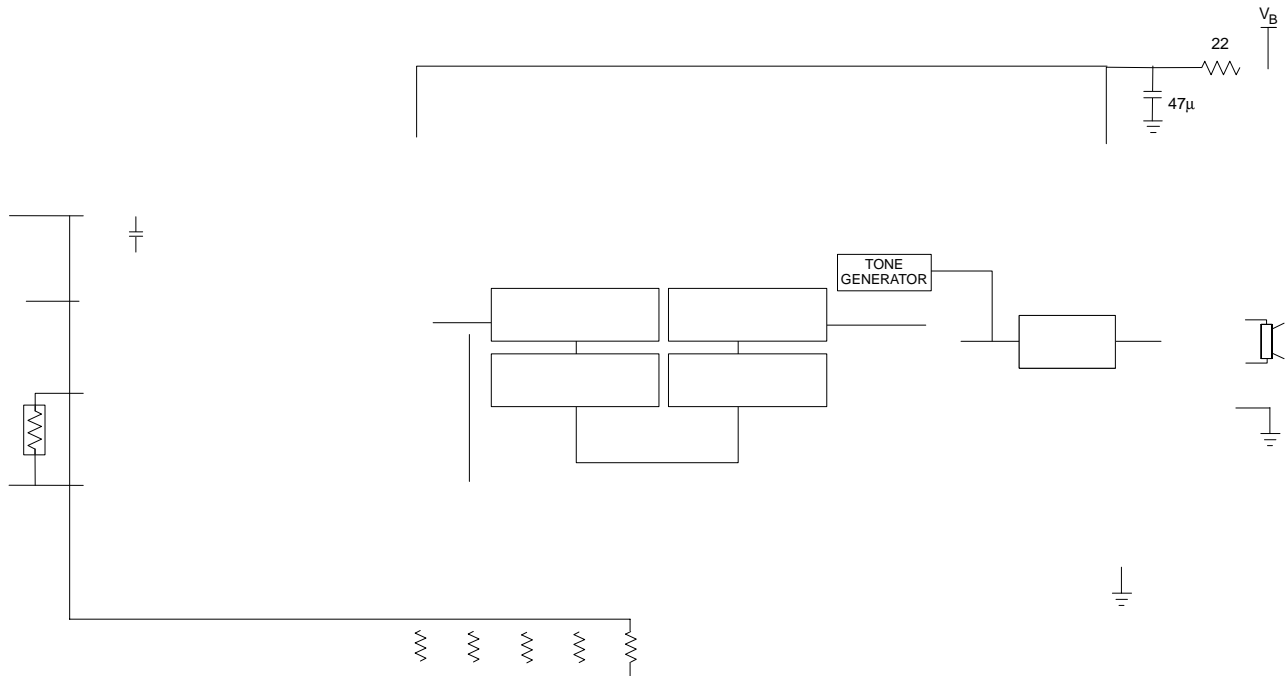
# RHYTHM SB3230

## TYPICAL APPLICATIONS (continued)



Note: All resistors in ohms and all capacitors in farads, unless otherwise stated.

**Figure 3. Typical Programmable Application Circuit**



Note: All resistors in ohms and all capacitors in farads, unless otherwise stated.

**Figure 4. Typical Trimmer Application Circuit**

# RHYTHM SB3230

## SB3230 OVERVIEW

--  
--

•

—

**Automatic Telecoil**

**Adaptive Feedback Canceller**



**Volume Control, Trimmers and Switches**

**External Volume Control**

**Analog Volume Control**



**Trimmers**



# RHYTHM SB3230

Case 1. Pull-up/Pull-down Resistors set to Pull-down

# RHYTHM SB3230

*lower*

-  
-  
-

AGC-O

-

**Power Management**

-



# RHYTHM SB3230

## PAD LOCATIONS

Table 8. PAD POSITION AND DIMENSIONS

Pad No.	Pad Position	Pad DimensionsP	a	d
---------	--------------	-----------------	---	---

# RHYTHM SB3230

**Table 8. PAD POSITION AND DIMENSIONS**

Pad No.	X	Y	Xdim (mm)	Ydim (mm)
1	0	0	0.508	0.838
2	-0.686	0	0.508	0.838
3	-1.372	-0.127	0.508	0.584
4	-2.057	-0.127	0.508	0.584
5	-2.743	-0.127	0.508	0.584
6	-3.429	-0.127	0.508	0.584
7	-4.115	-0.127	0.508	0.584
8	-4.801	0	0.508	0.838
9	-4.801	1.067	0.508	0.584
10	-4.801	2.159	0.508	0.584
11	-4.115	2.159	0.508	0.584
12	-3.429	2.159	0.508	0.584
13	-2.743	2.159	0.508	0.584
14	-2.057	2.159	0.508	0.584
15	-1.372	2.159	0.508	0.584
16	-0.686	2.159	0.508	0.584
17	0	2.159	0.508	0.584
18	0	1.067	0.508	0.584
19	-0.686	1.067	0.508	0.584
20	-1.372	1.067	0.508	0.584
21	-2.057	1.067	0.508	0.584
22	-2.743	1.067	0.508	0.584
23	-3.429	1.067	0.508	0.584
24	-4.115	0.673	0.457	0.305
25	-4.115	1.359	0.457	0.305

**SIP25, 5.59x3.18**  
CASE 127DN  
ISSUE A

SCALE 2:1

DATE 21 JUL 2020

QUALITY A

**GENERIC**



XX = Specific Device Code  
ZZ = Lot Traceability



**onsemi**, **onsemi**, and other names, marks, and brands are registered and/or common law trademarks of Semiconductor Components Industries, LLC dba "**onsemi**" or its affiliates and/or subsidiaries in the United States and/or other countries. **onsemi** owns the rights to a number of patents, trademarks, copyrights, trade secrets, and other intellectual property. A listing of **onsemi**'s product/patent coverage may be accessed at [www.onsemi.com/site/pdf/Patent-Marking.pdf](http://www.onsemi.com/site/pdf/Patent-Marking.pdf). **onsemi** reserves the right to make changes at any time to any products or information herein, without notice. The information herein is provided "as-is" and **onsemi** makes no warranty, representation or guarantee regarding the accuracy of the information, product features, availability, functionality, or suitability of its products for any particular purpose, nor does **onsemi** assume any liability arising out of the application or use of any product or circuit, and specifically disclaims any and all liability, including without limitation special, consequential or incidental damages. Buyer is responsible for its products and applications using **onsemi**

---

---