

Name	Security Level
BRC330H23371 Product Data Sheet	Open
Version	A Total of 4 Pages
REV A	

# BRC330H23371

## Product Data Sheet

Prepared by: \_\_\_\_\_

Date: 2016-1-05

Auditor: \_\_\_\_\_

Date: \_\_\_\_\_

Approver: \_\_\_\_\_

Date: \_\_\_\_\_



Shenzhen Bellsing Acoustic Tech. Co., Ltd.

## BRC330H23371 AMBA receiver

### 1.1 Description

Advanced Miniature balanced-armature (AMBA) receiver with magnetic-radiation shielding for use in ITE (In The Ear) , CIC (Complete In the Canal) and IIC (Invisible In the Canal) applications with standard response.

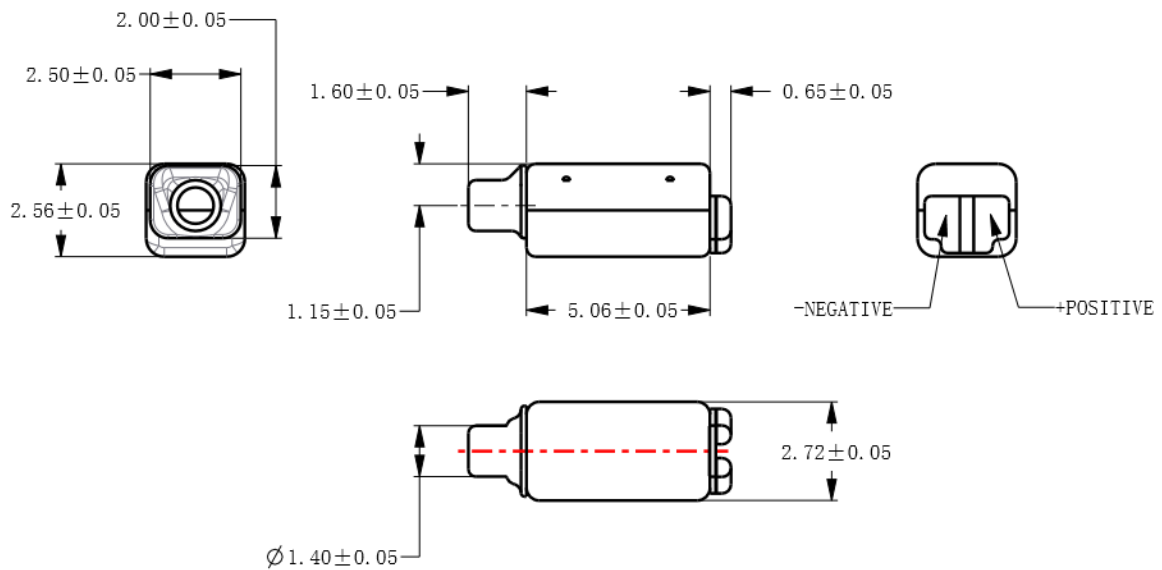
Name:	BRC330H23371 Product Data Sheet
Part Number:	BRC330H23371 REV A

### 1.2 Construction Specification



Weight: 0.16g

Mechanical dimension: please refer to the drawing below



### 1.3 Features&Benefits

- Perfect package size for RIC/CIC/IIC applications
- Outstanding efficiency
- Substantial maximum output
- Magnetic-radiation shielded
- Optimized mechanical shock resistance
- Water resisted

### 1.4 Electro-acoustic Specifications

#### Test condition

- Acoustic tubing: 10.0mm of 1.0mm diameter tubing
- Acoustic coupler: IEC711 coupler (volume of 2cc)
- Constant voltage drive: 0.12V RMS
- Environment: 23°C, RH 50%

#### Acoustic Parameter I

Test Item		Nominal	Tolerance	Comments
Sensitivity(dB)	@200Hz	107.6	+/- 3.0	
	@500Hz	104.7	+/- 3.0	
	@1000Hz	102.9	+/- 3.0	
Peak1	Frequency (Hz)	3150	+/- 350	
	SPL(dB)	113.9	+/- 3.0	
Peak2	Frequency (Hz)	5000	+/- 500	
	SPL(dB)	109.2	+/- 3.0	
Maximum output@Peak frequency (dB)		124	N/A	THD<10%

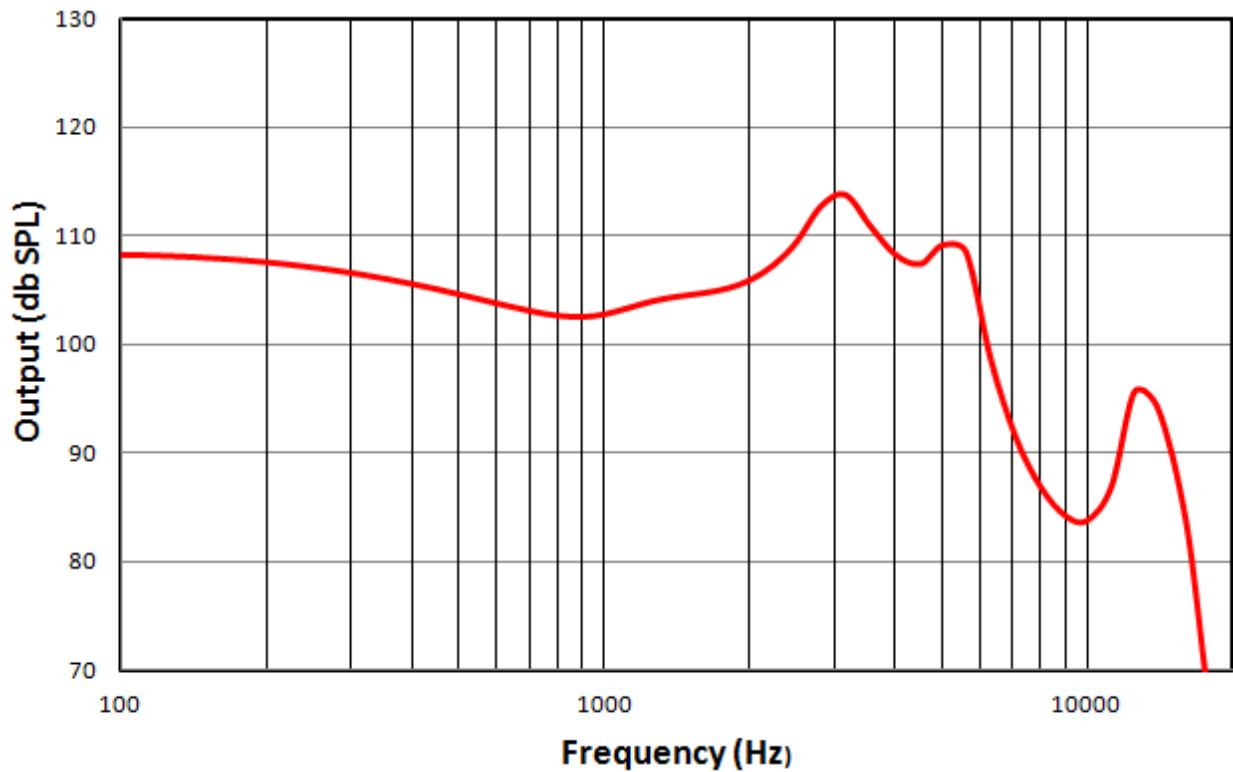
#### Acoustic Parameter II

Test Item		Nominal	Comments
THD(%)	@1/2 1 <sup>st</sup> peak	<5.0	
	@1/3 1 <sup>st</sup> peak	<5.0	
	@500Hz	<5.0	

Electric Parameter

Test Item	Nominal	Tolerance	Comments
Impedance( $\Omega$ )	@500Hz	77.5	+/- 15%
	@1000Hz	115.7	+/- 15%
DCR( $\Omega$ )	60.0	+/- 10%	

Nominal Frequency Response Curve



1.5 Package and Storage Condition

- Package: PET bubble pack, 2pc per bubble, 200pcs per pack
- Storage temperature range: -40°C ~ 60°C
- Storage humidity range: <60%