

Name	Security Level
BRC330C10010 Product Data Sheet	Open
Version	A Total of 4 Pages
REV A	

BRC330C10010

Product Data Sheet

Prepared by: _____ Date: 2016-06-17

Auditor: _____ Date: _____

Approver: _____ Date: _____



Shenzhen Bellsing Acoustic Tech. Co., Ltd.

BRC330C10010 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) , in-ear monitor applications with standard response.

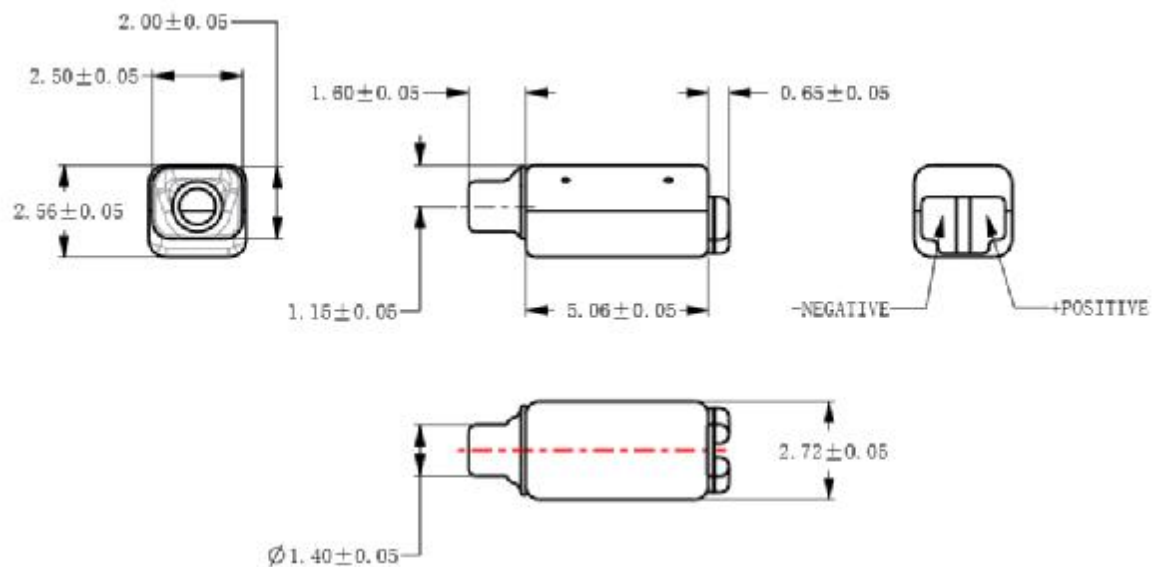
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1.2 Construction Specification



Weight: 0.16g

Mechanical dimension: please refer to the drawing below



1.3 Features&Benefits

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

1.4 Electro-acoustic Specifications

Test condition

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

Acoustic Parameter I

Test Item		Nominal	Tolerance	Comments
Sensitivity(dB)	@200Hz	101.5	+/- 3.0	
	@500Hz	101.5	+/- 3.0	
	@1000Hz	103.0	+/- 3.0	
Peak1	Frequency (Hz)	2800	+/- 350	
	SPL(dB)	119.5	+/- 3.0	
Peak2	Frequency (Hz)	5000	+/- 500	
	SPL(dB)	113.0	+/- 3.0	
Maximum output@Peak frequency (dB)		123	N/A	THD<10%

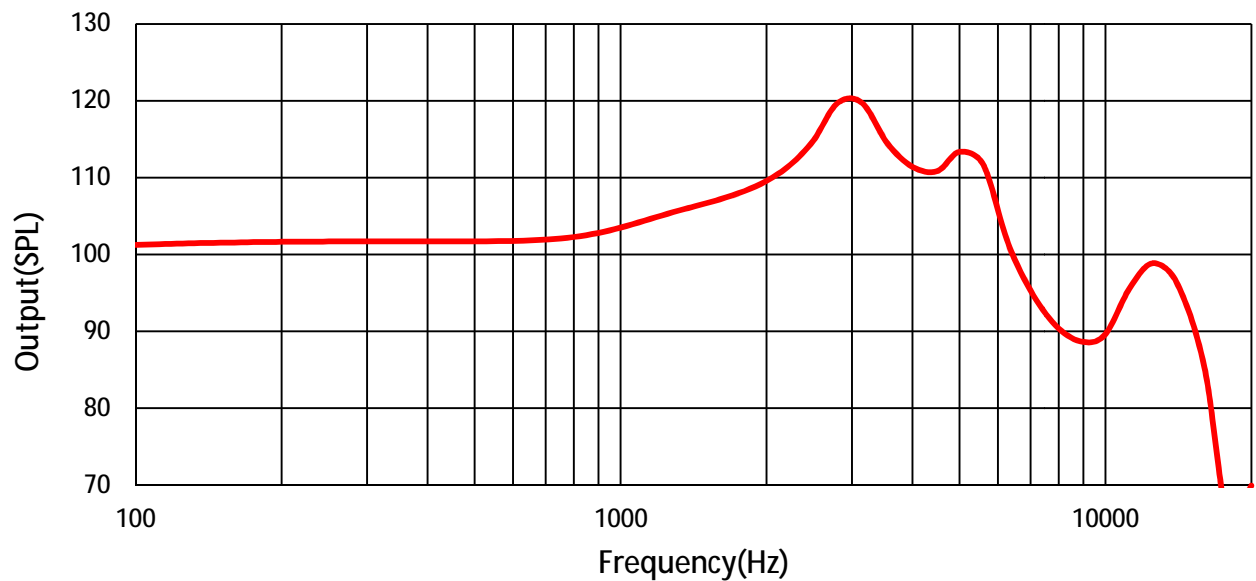
Acoustic Parameter II

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

Electric Parameter

Test Item	Nominal	Tolerance	Comments
Impedance(Ω)	@500Hz	12.0	+/- 15%
	@1000Hz	18.0	+/- 15%
DCR(Ω)	10.0	+/- 10%	

Nominal Frequency Response Curve



1.5 Package and Storage Condition

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