Name	Security Level
BELLSING^{TM} Hornet Series AMBA Receiver	Open
Version	A Total of 4 Pages
REV B	

BRC360C90012

Product Data Sheet

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Auditor:		Date:	
Approver:		Date:	

Shenzhen Bellsing Acoustic Tech. Co., Ltd.

BRC360C90012 AMBA receiver

1.1 Description

Cylindrical Advanced Miniature balanced armature（AMBA） receiver.Smallest full-range driver, distinct bass and crystal clear treble.This transducer can also play an excellent role as a tweeter in commercial hearing products,communication earpieces.
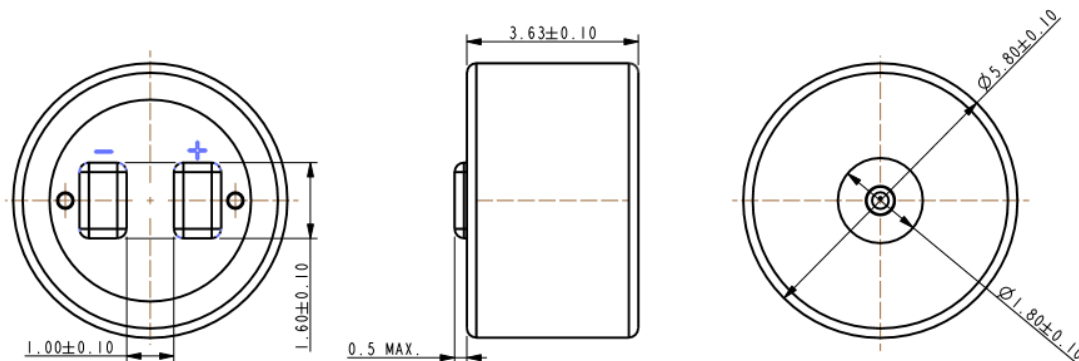
Name:	Hornet Series AMBA Receiver
Part Number:	BRC360C90012　REV B

1.2 Construction Specification

Weight: 0.16 g

Mechanical dimension：Please refer to the drawing below

1.3 Features&Benefits

- Perfect package size for Headset/Bluetooth,TWS headset applications
- Outstanding efficiency
- Substantial maximum output
- Magnetic-radiation shielded
- Optimized mechanical shock resistance

1.4 Electro-acoustic Specifications

Test condition

- Acoustic tubing: 10.0mm of 1.0mm diameter tubing
- Acoutic coupler: IEC711 coupler
- Constant voltage drive: 0.084V RMS
- Environment: 23°C, RH 50%

Acoustic Parameter I

Test Item		Nominal	Tolerance	Comments
Sensitivity(dB)	@200Hz	107.5	+/- 3.0	
	@500Hz	107	+/- 3.0	
	@1000Hz	108	+/- 3.0	
Peak1	Frequency (Hz)	2240	+/- 350	
	SPL(dB)	118.5	+/- 3.0	
Peak2	Frequency (Hz)	4370	+/- 500	
	SPL(dB)	113	+/- 3.0	
Maximum output @ Peak frequency (dB)		N/A	N/A	THD<10%

Acoustic Parameter II

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

Electric Parameter

Test Item		Nominal	Tolerance	Comments
Impedance(Ω)	@500Hz	14.5	+/- 15%	
	@1000Hz	20.5	+/- 15%	
DCR(Ω)		12.0	+/- 10%	

Nominal Frequency Response Curve
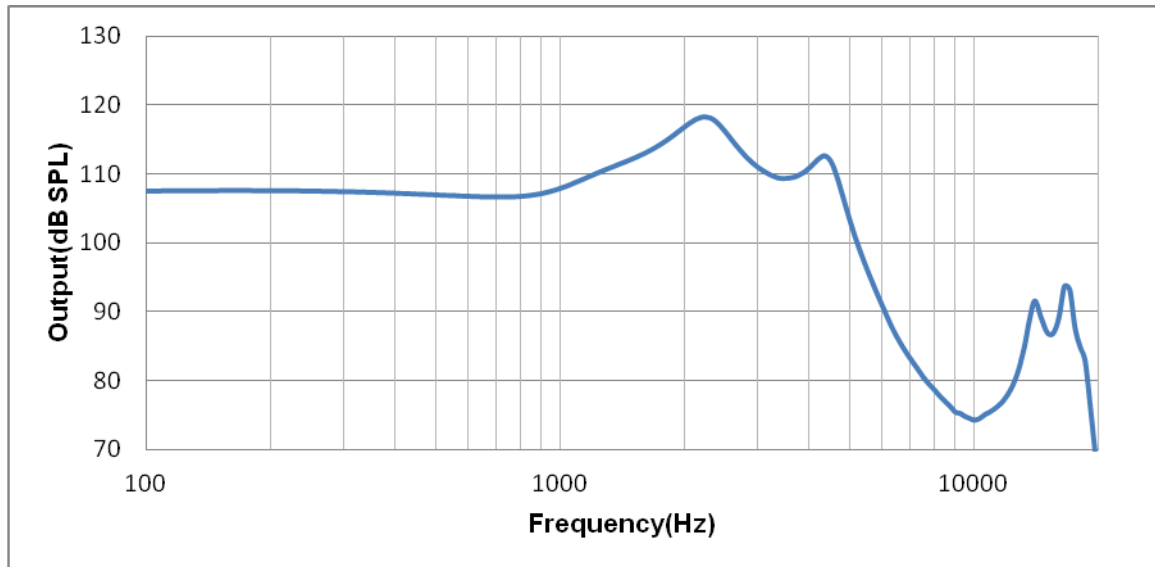
1.5 Package and Storage Condition

● Package: PET bubble pack, 1 pcs per bubble, 100 pcs per pack

● Storage temperature range: -40℃ ~ 60℃

● Storage humidity range: <60%