

Name	Security Level
BELLSING® Hornet Series BMBA Receiver	Open
Version	A Total of 4 Pages
REV A	

BRC200H10065

Product Data Sheet

Prepared by: Quanlong.Lv

Auditor: _____

Approver: _____

Date: 2023-04-14

Date: _____

Date: _____



Shenzhen Bellsing Acoustic Tech. Co., Ltd.

BRC200H10065 BMBA receiver

1.1 Description

Dual advanced miniature balanced-armature receiver with best vibration performance for use in high end hearing aid instruments with great response. Also plays an excellent role as tweeter in in-ear monitors and other commercial hearing products .

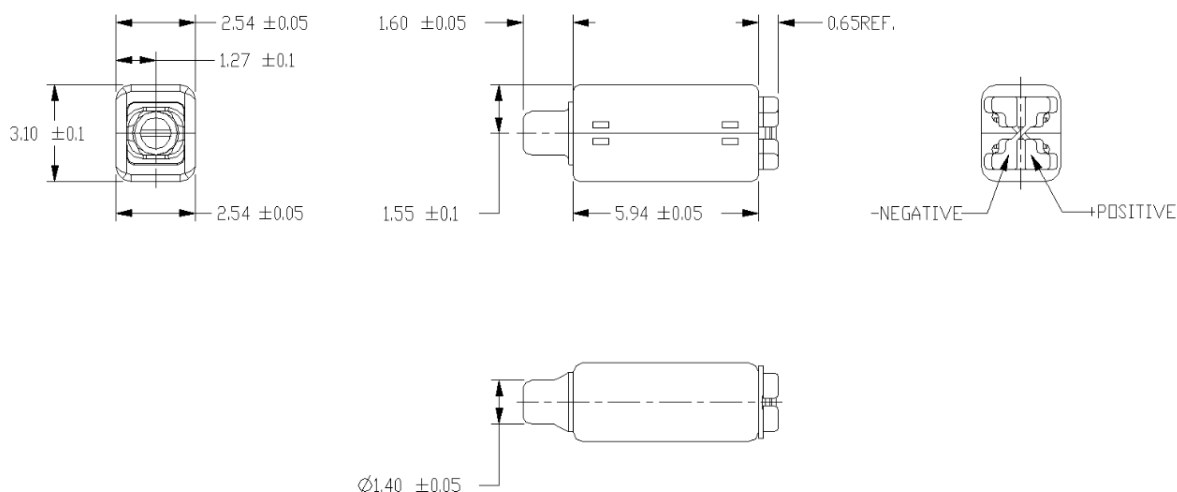
Name:	Hornet Series BMBA Receiver
Part Number:	BRC200H10065 REV A

1.2 Construction Specification



Weight: 0.16 g

Mechanical dimension: please refer to the drawing below



*A positive voltage applied to the negative terminal (-) will result in an increase in pressure at the sound outlet.

1.3 Features & Benefits

- Perfect package size for CIC, RIC and MINI-BTE 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
- Acoustic coupler: 2CC coupler
- Constant voltage drive: 0.160V RMS
- Environment: 23°C, RH 50%

Acoustic Parameter I

Test Item		Nominal	Tolerance	Comments
Sensitivity(dB)	@200Hz	97	+/- 3.0	
	@500Hz	97	+/- 3.0	
	@1000Hz	97	+/- 3.0	
Peak1	Frequency (Hz)	2400	+/- 350	
	SPL(dB)	103.5	+/- 3.0	
Peak2	Frequency (Hz)	5800	+/- 500	
	SPL(dB)	95.5	+/- 3.0	
Maximum output @ Peak frequency (dB)		124	N/A	THD<10%

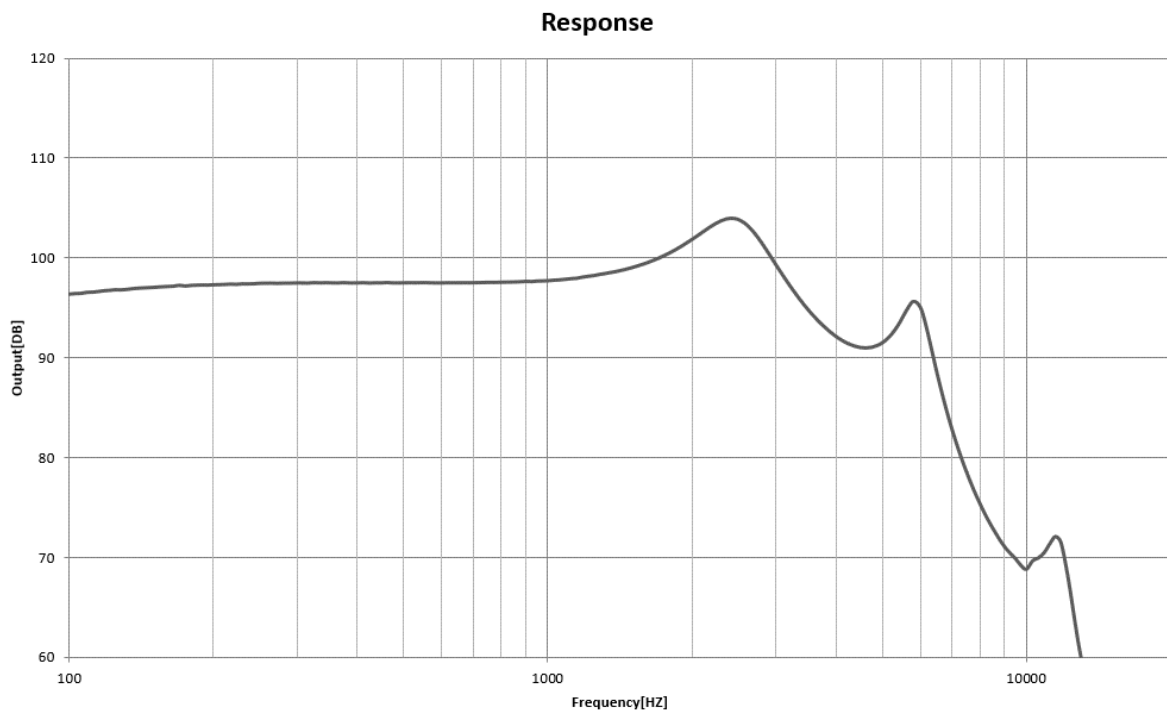
Acoustic Parameter II

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

Electric Parameter

Test Item		Nominal	Tolerance	Comments
Impedance(Ω)	@500Hz	68	+/- 15%	
	@1000Hz	79	+/- 15%	
DCR(Ω)		65	+/- 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°C ~ 60°C
- Storage humidity range: <60%