



RVA-SPK1.5W-C150

Rev.1.0
2021-12-01

The speaker is developed as the accessory of [Riverdi's all EVE4 series displays](#).



1. REVISION RECORD

REV NO.	REV DATE	CONTENTS	REMARKS
1.0	2021-12-01	Initial Release	



2. CONTENTS

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Ø20.00±0.2 [0.787±0.008]

FRONT DOUBLE SIDED TAPE
T=1.0mm[0.039inch]

BLACK

RED

BLACK

RED

PITCH 1.50MM, 2 PINS, CABLE CONNECTOR:
648002113322
MATCHING CONNECTOR:
648102131822

FRONT

150.0±3.0 [5.906±0.118]

SPEAKER NOTES:

1. TYPE: DYNAMIC SPEAKER
2. RATED IMPEDANCE: 8.0±15ohms@2kHz
3. RATED NOISE POWER: 1.5W (IN FREE AIR)
4. SHORT TERM MAX. POWER: 2.0W (IN FREE AIR)
5. SOUND PRESSURE LEVEL: 86±3dB SPL@0.1W 0.1m

GENERAL NOTES:

1. OPERATING TEMPERATURE: -20°C ~ 55°C
2. STORAGE TEMPERATURE: -20°C ~ 55°C
3. WITHOUT INDIVIDUAL TOLERANCE: ±0.3mm
4. RoHS COMPLIANT
5. PRODUCT WEIGHT:4g



4. SPEAKER SPECIFICATION

4.1 Electrical parameters

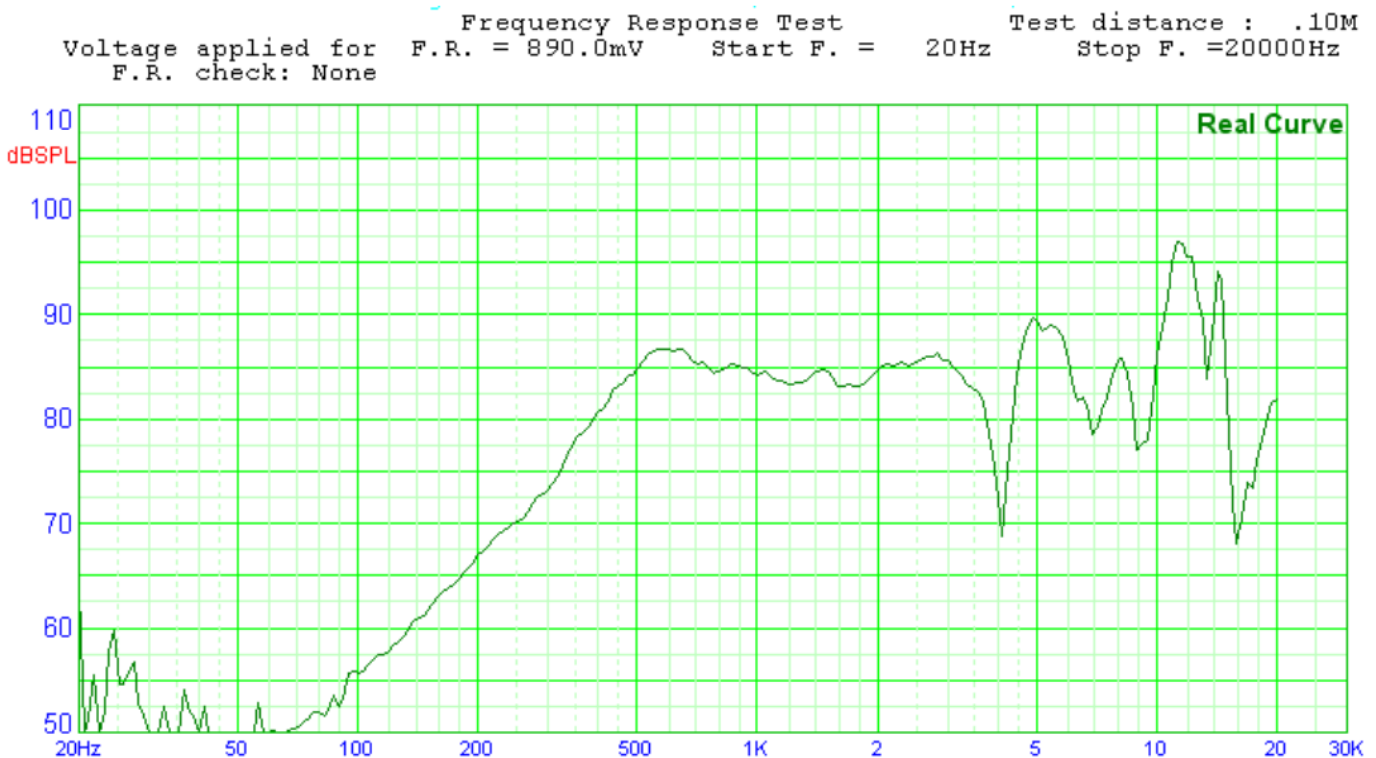
ITEM	PARAMETERS	NOTE
Rated Impedence	8.0 ± 15%ohms @2kHz, 1V rms input	
Rated Noise Power	1.5 W	In free air
Short Term Maximum Power	2.0W	

Note: Operating and storage temperature range of speaker is -20 °C to +55 °C.

4.2 Acoustical parameters

ITEM	PARAMETERS	NOTE
Sound Pressure Level	86 ± 3dB SPL@ 0.1W (Sine wave) 0.1 m Average 1000,1200,1500,2000Hz	
Bas Resonance Frequency	700 ± 20 % Hz	In free air
Rated frequency range	F0 – 10 kHz	See Figure 1
Total harmonic distortion	<15% @1kHz 1.5W	

Figure1 Typical Frequency Response (Only Reference)





5. WIRE AND CONNECTOR SPECIFICATION

5.1 Physical properties

ITEM	PARAMETERS	NOTE
Pitch Size of Connector	1.50 mm	
Pins of Connector	2	
UL Style of Wire	UL1571 28UWG	
Length of the Cable	150 mm	

6. LEGAL INFORMATION

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