



# SUPB5005

## 2" Plastic Box Speaker Unit

The SUPB5005 is a 2-inch 4ohm 5Watt full range speaker with powerful neodymium motor.

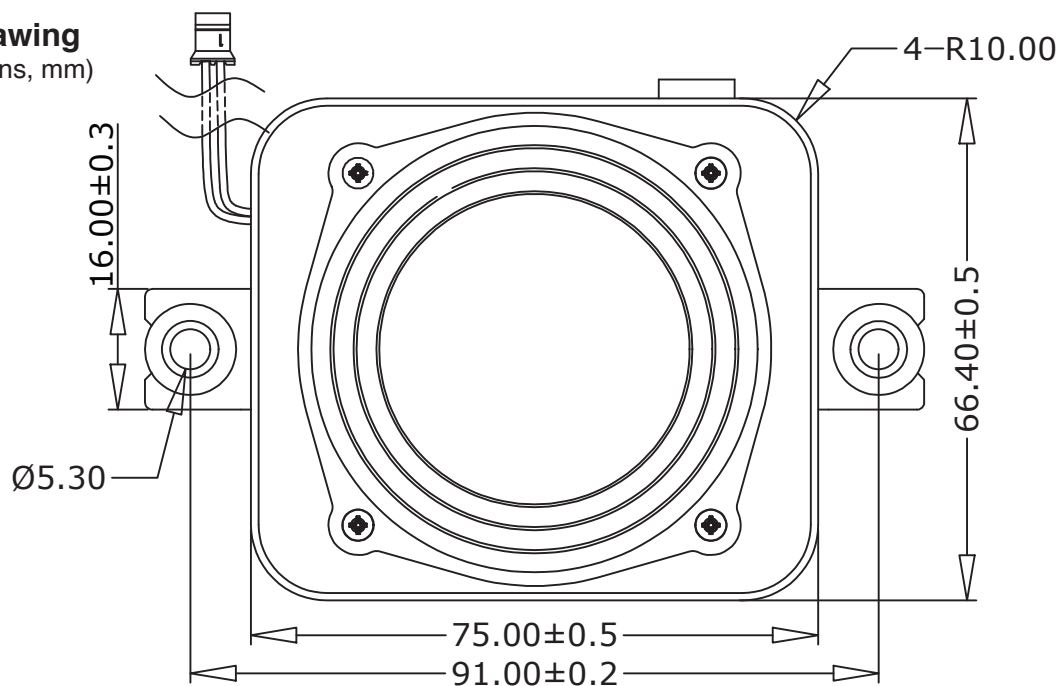
### Features:

- 2-Inch driver optimized for voice band.
- Rubber surround for a good balance of stiffness, mass and self damping.
- Smallest volume cabinet (96ml) for a 2-inch driver, ultra-compact design, lightweight and high build quality.
- Specially designed for panel mounting integrated with rubber mounts for vibration damping.

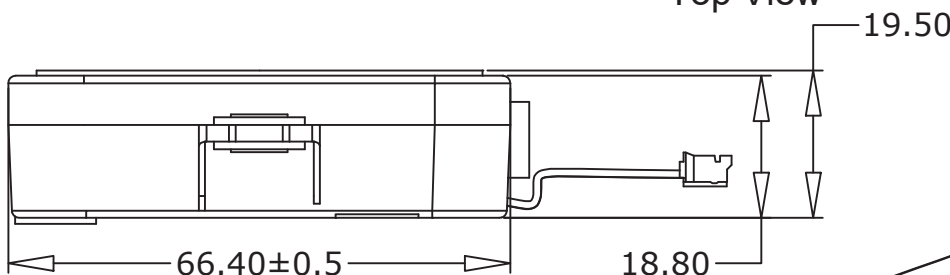


### Mechanical Drawing

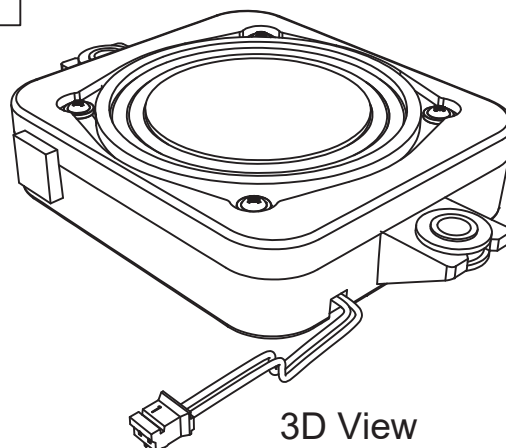
(Nominal Dimensions, mm)



Top View



Side View



3D View

Note: 3D view is not 1:1 scale.



## SUPB5005 Specifications

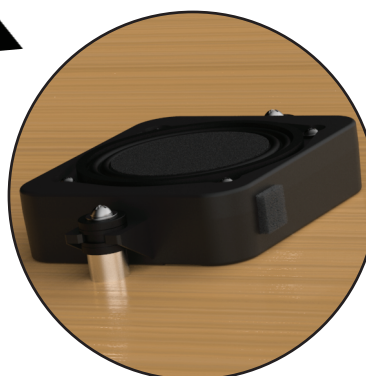
Specifications	
Resonance Frequency [fs]	320Hz
Rated Power Input	5W
Max Power Input	8W
Normal Impedance [Zn]	4.07Ω at 1kHz
Minimum Impedance [Zmin]	3.97 Ω
Maximum Impedance [Zmax]	27.83 Ω
DC Resistance [Re]	3.31Ω
Voice Coil Inductance [Le]	0.028mH at 1kHz
Voice Coil Diameter	25.5mm
Unit Weight	92g
Sensitivity (2,83V/1m)	77dB



## Table Mounting Application



Metal Surface Mounting



Wood Surface Mounting

## Special Accessories



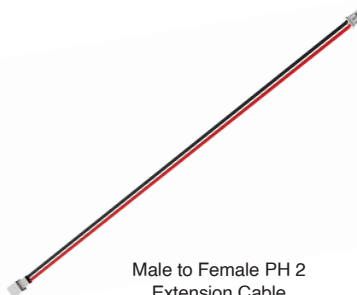
M3 Customized  
Socket Head  
Screw



#5 Customized  
Socket Head Self  
Tapping Screw



3mm  
Wrench



Male to Female PH 2  
Extension Cable



Nylon  
Washer

### Notes:

1. 3D model is provided for free in our resale website [www.sure-electronics.com](http://www.sure-electronics.com).
2. These special accessories are for sale and not a standard accessory, customer can find in our website.

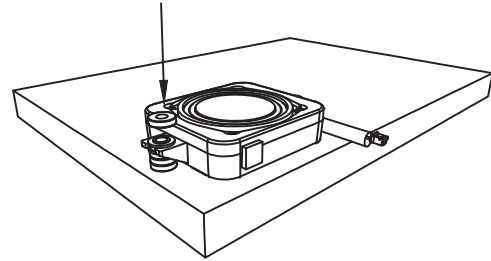
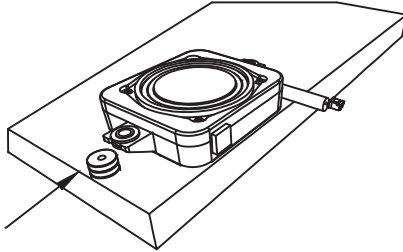




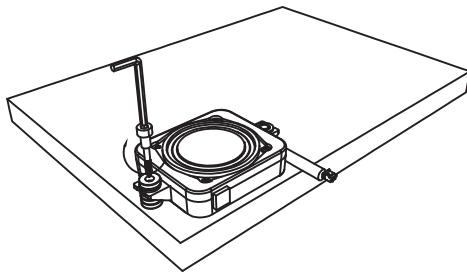
## Mounting Guidelines

### i) For Wood Surface

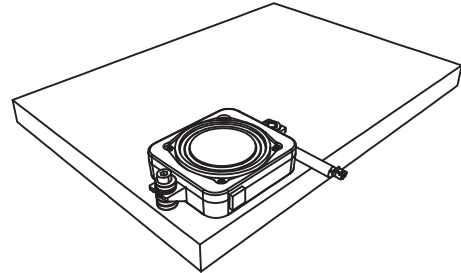
- 1) Insert three pieces nylon washer ( $\varnothing_{in}$  3mm) in stacking form under the speaker mounting.
- 2) Place another nylon washer ( $\varnothing_{in}$  5mm) on the rubber mounting.



- 3) Insert through the customized socket self tapping screw and fasten the screw using the provided 3mm wrench.

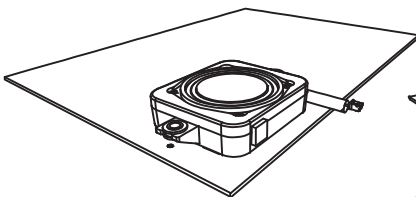


- 4) Installation is finished.

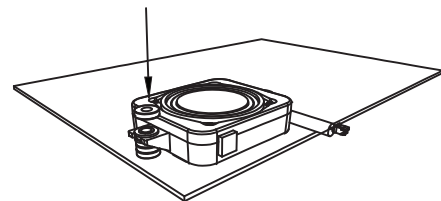
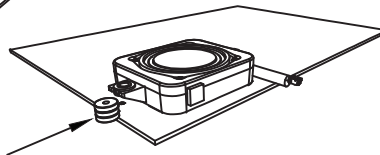


### ii) For Metal Surface

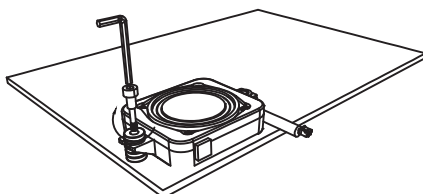
- 1) Place the speaker on the drilled hole.
- 2) Insert three pieces nylon washer ( $\varnothing_{in}$  3mm) in stacking form under the speaker mounting.
- 3) Place another nylon washer ( $\varnothing_{in}$  5mm) on the rubber mounting.



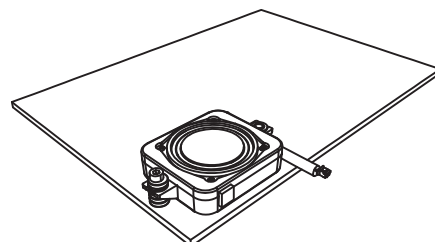
Note: The drilled hole shall be  $\varnothing$ 3mm and 0.5mm pitch thread



- 4) Insert through the customized socket head M3 screw and fasten the screw using the provided 3mm wrench.



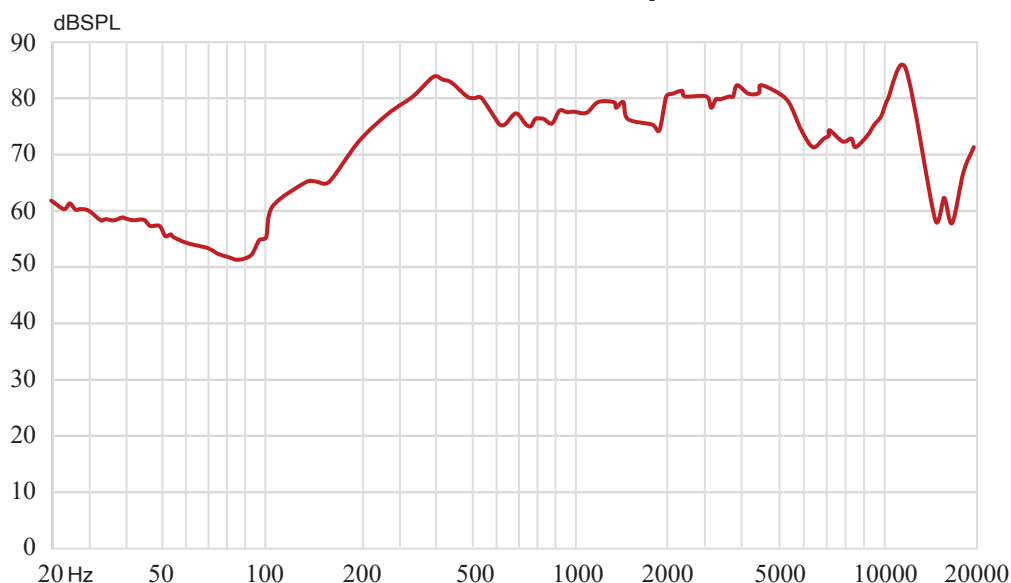
- 5) Installation is finished.





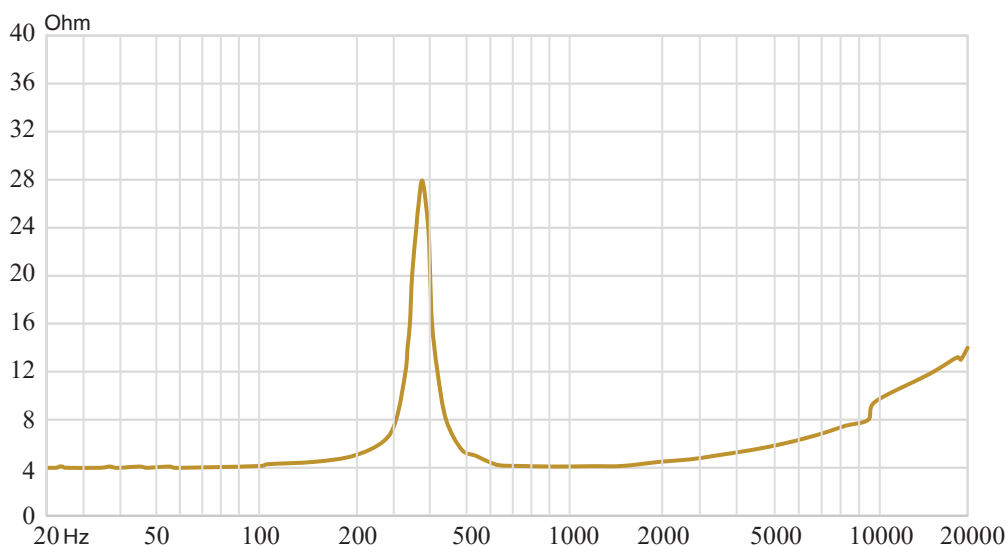
## Frequency Response

### SPL vs Freq



## Impedance Curve

### Impedance vs Freq



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## RoHS

- MOQ and SPQ is 2pcs speaker per small cardboard box for retail, incremental is one SPQ 2pcs.
- MOQ and SPQ is 144pcs small cardboard box per carton (530x290x230mm) for wholesale, incremental is one SPQ 144pcs

Drafted: .....

Approved: .....

Countersigned: .....