

## **Slim-Line Micro Speakers**

PUI Audio, Inc.'s new line of slim-line micro speakers are purpose-built for space-limited, modern electronics such as smartphones, tablets, laptops, as well as wearable technology and IoT devices such as WiFi-enabled thermostats.

### 15 x 11 mm Slim-Line Micro Speakers

The **AS01508AO-SC-R** is a 15 x 11 speaker with pre-installed double-sided adhesive for quick, easy installation and spring-loaded contacts for a solderless electrical connection and features a 4.42 mm thickness.

25 mm speaker leads replace the spring contacts on the AS01508AO-SC-R to minimize thickness to 3.9 mm on the **AS01508AO-LW25-R**.

For more output and lower distortion, a multi-magnet motor drives the **ASO1508AO-3-R**, while solder pads drive the thickness down to 3.5 mm.

A spring-contact version is available in the **AS01508AO-3-SC-R**.

These are also available with an IP65-rated face: the **AS01508AO-WP-R** and the **AS01508AO-SC-WP-R**.

Each  $15 \times 11$  mm speaker features a class-leading resonant frequency below 600 Hz for realistic sound.

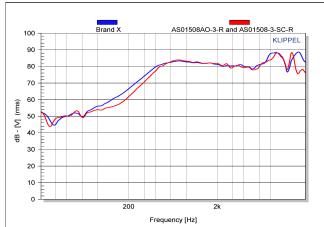
## 18 x 13 mm Slim-Line Micro Speakers

PUI Audio's 18 x 13 mm speakers build on the performance of the 15 x 11 mm speakers, while reducing the overall thickness to below 3 mm on the ASO1808AO-3-R with solder pads and 3.1 mm on the ASO1808AO-3-SC-R with spring contacts.

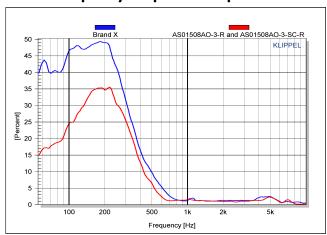
Both feature an amazingly low resonant frequency of 320 Hz and are available with IP65-rated faces in the **AS01808AO-WP-R** and **AS01808AO-SC-WP-R**.

## **New Product Feature**





#### **Frequency Response Comparison**



**Total Harmonic Distortion (THD) Comparison** 

Contact your PUI Audio distributor today for pricing and availability!

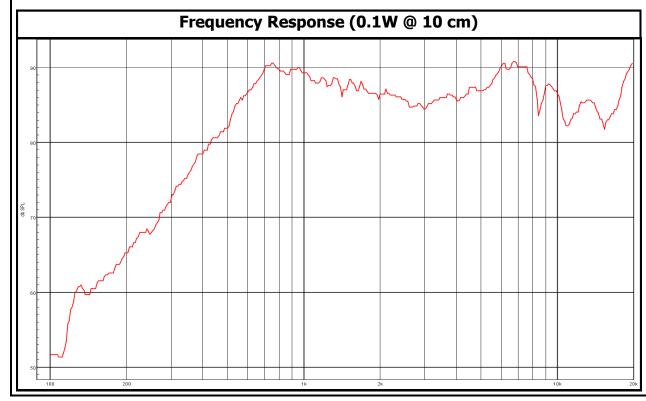


## AS01508AO-SC-R 15x11mm Slim-Mount Speaker

3541 Stop Eight Road • Dayton, Ohio 45414

### **Product Overview**

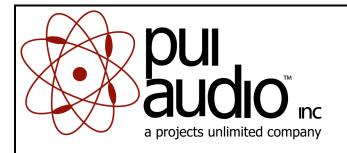
- 15 x 11 mm speaker with Neodymium magnet for 84 dB sensitivity and spring contacts
- 0.7W continuous, 1W maximum power handling and  $8\Omega$  impedance
- For space-limited applications such as cell phones and consumer electronics
- Convenient double-sided tape for quick mounting





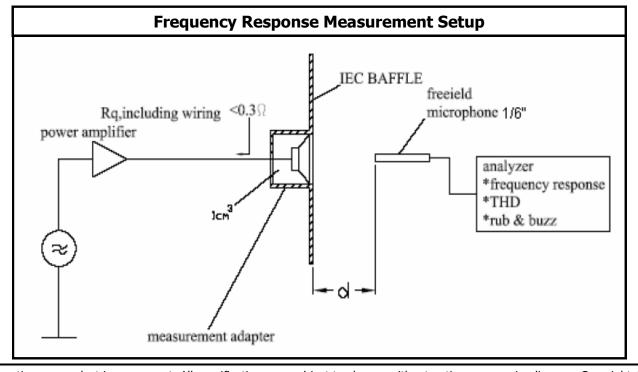


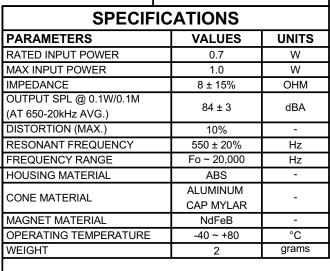




# AS01508AO-SC-R 15x11mm Slim-Mount Speaker

Mechanical and Environment Testing			
Test Description	Test Condition		
High Temperature	80°C with random humidity for 24 hours		
Low Temperature	-40°C with random humidity for 24 hours		
Humidity	40°C with 90% to 95% relative humidity for 96 hours		
Vibration	1.5 mm movement modulated at 15 to 45 Hz for 3 hours		
Drop Test	75 cm free fall onto concrete, 10 cycles		
After tests, speaker shall rest for 1 hours. SPL shall not deviate ±3 dB from pre-test measurement			

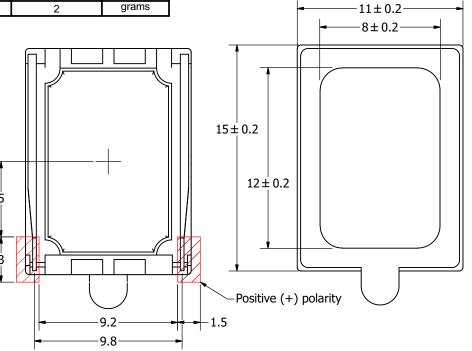


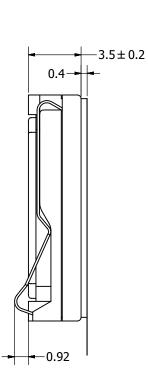


THIS DOCUMENT CONTAINS DATA PROPRIETARY TO PROJECTS UNLIMITED, INC. ANY USE OR REPRODUCTION, IN ANY FORM, WITHOUT PRIOR WRITTEN PERMISSION OF PROJECTS UNLIMITED, INC. IS PROHIBITED.

©2003, Projects Unlimited Inc.

REVISION HISTORY						
LTR	DESCRIPTION	DATE	APPROVED			
-	RELEASED FROM ENGINEERING	03/23/2015				
A	REVISED TO INVENTOR 3-D DRAWING TEMPLATE	4/10/2015	M.L.			





Checked by



1. ALL DIMENSIONS ARE IN MILLIMETERS.

NOTES:

2. SPECIFICATIONS SUBJECT TO CHANGE OR WITHDRAWL WITHOUT NOTICE.

3. THIS PART IS RoHS 2011/65/EU COMPLIANT.

UNLESS OTHERWISE		Designed by
SPECIFIED: DIMENSIONS ARE IN	SIZE	J.D.
MILLIMETERS,		M
TOLERANCES ARE ±0.5 AND ANGLES ARE ±3°.	A3	XX
A \$ 0.1 5 0 9 A C	SC Bidw	

J.D.	3/23/2015	M	1.L
	pul.		
	audic a projects unlimited co	inc mpany	

Date

 Date
 Approved by
 Date
 Drawn Date

 3/23/2015
 B.R.
 3/23/2015
 4/10/2015

AS01508AO-SC-R

Speaker Edition Sheet - 1/1