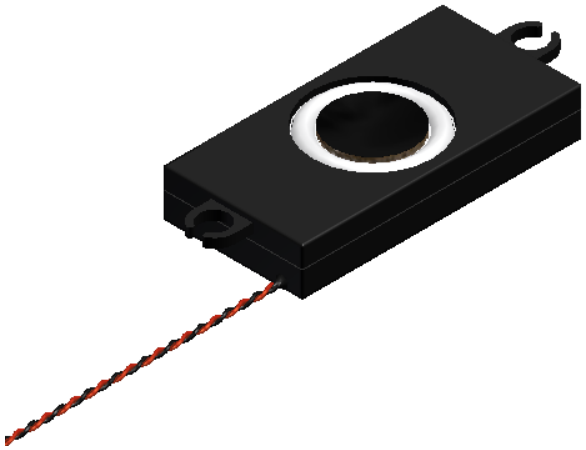
pui audio™ inc
a projects unlimited company
3541 Stop Eight Road • Dayton, Ohio 45414

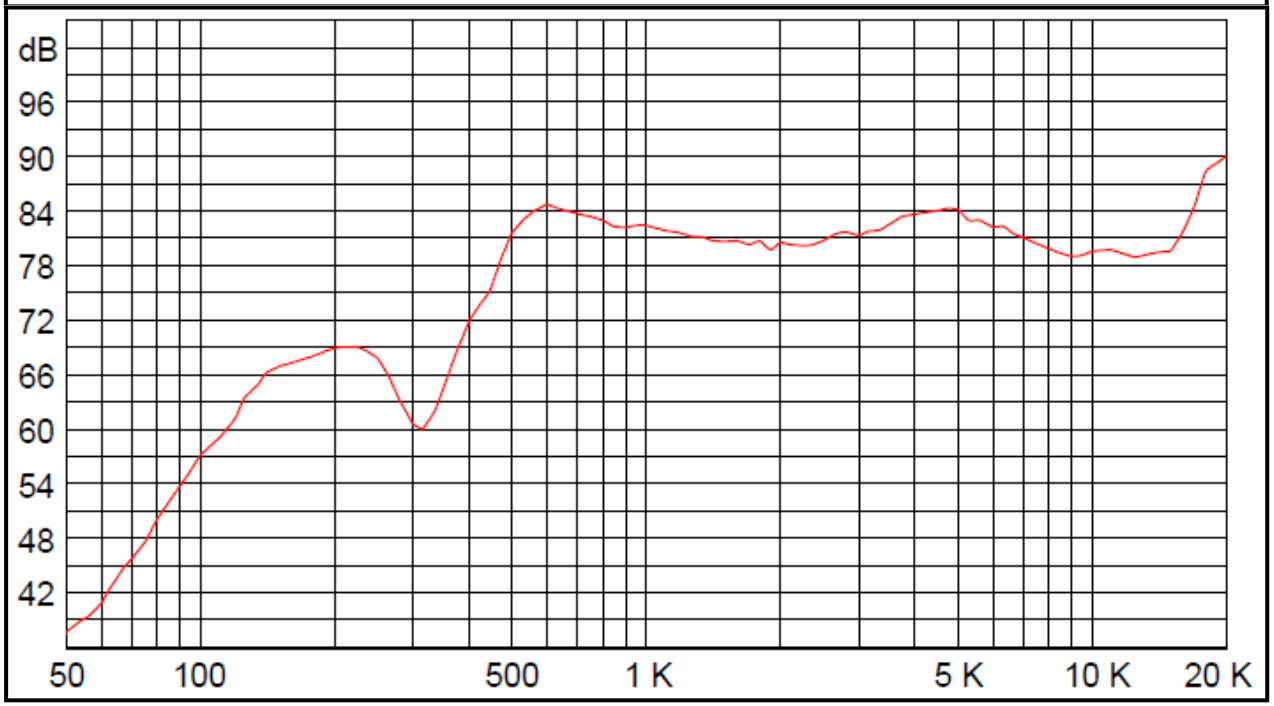
ASE06008MR-LW150-R
60mm Enclosed Speaker



Product Overview

- 60 x 30mm speaker with 150mm lead wires for instant integration
- 3W continuous, 4 maximum power handling and 8Ω impedance
- Rugged ABS enclosure designed for optimum sound

Frequency Response (1W @ 0.5 meters)



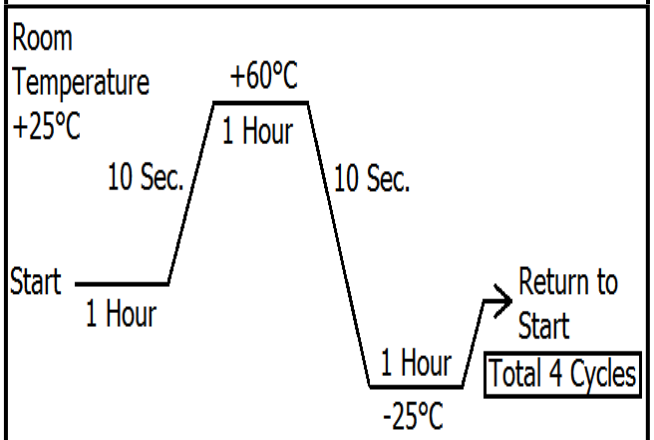
PUI Audio Inc. engages in continuous product improvement. All specifications are subject to change without notice. www.puiaudio.com. Copyright © 2015. Last Revised 4/15.

ASE06008MR-LW150-R
60mm Enclosed Speaker

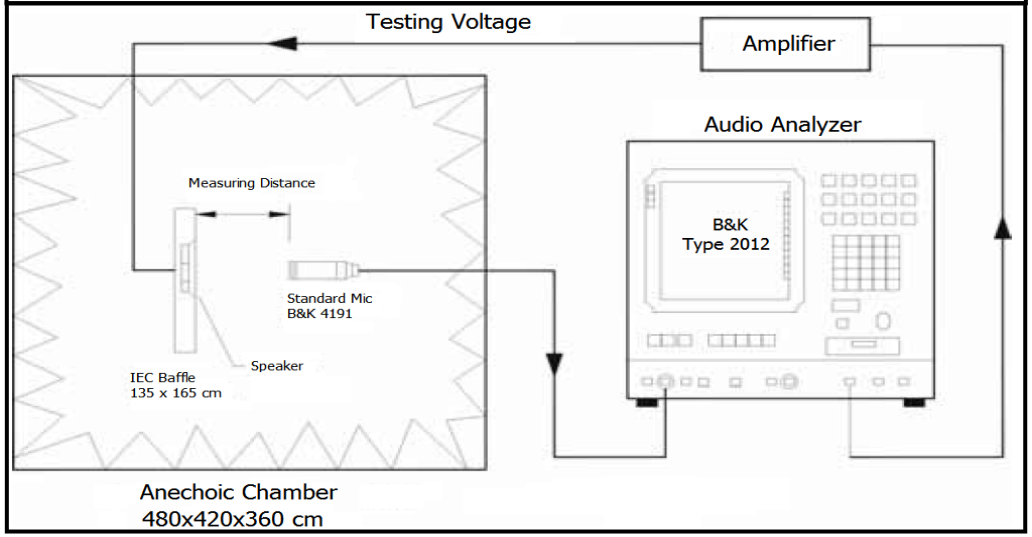
Mechanical and Environment Testing

Test Description	Test Condition
High Temperature	60°C ±2°C with random humidity for 96 hours
Low Temperature	-25°C ±2°C with random humidity for 96 hours
Humidity	40°C ±2°C with 90% to 95% relative humidity for 48 hours
Vibration	1.5 mm movement modulated at 10 to 55 Hz for 2 hours
Drop Test	75 cm free fall onto concrete floor, 10 cycles
Temperature Cycle Test	-25°C to 60°C, 4 cycles (refer to Temperature Cycle Test Graph)
After tests, speaker shall rest for 1 hours. SPL shall not deviate ±4 dB from pre-test measurement.	

Temperature Cycle Test Graph



Frequency Response and SPL Measurement Setup



Speaker Parameters

Specification	ASE06008MR
Fo (Hz)	550
Frequency Range	550 ~ 20,000
Impedance (ohm)	8
SPL (dB) @ 1W/0.5m	83

PUI Audio Inc. engages in continuous product improvement. All specifications are subject to change without notice. www.puiaudio.com. Copyright © 2015. Last Revised 4/15.

SPECIFICATIONS

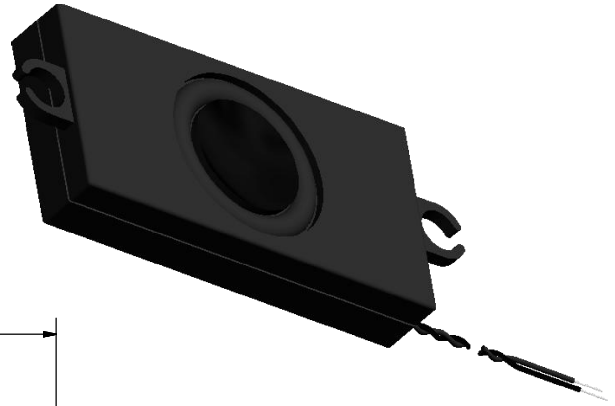
PARAMETERS	VALUES	UNITS
RATED INPUT POWER	3	W
MAX INPUT POWER	4	W
IMPEDANCE	8 ± 15%	OHM
OUTPUT SPL @ 1W/0.5M (AT 0.8, 1.0, 1.2, 1.5 kHz)	83± 3	dBA
DISTORTION (MAX.)	5%	-
RESONANT FREQUENCY	500 ± 20%	Hz
FREQUENCY RANGE	400 ~ 20,000	Hz
HOUSING MATERIAL	ABS	-
CONE MATERIAL	MYLAR	-
MAGNET MATERIAL	RARE EARTH	-
OPERATING TEMPERATURE	-25 ~ +60	°C
WEIGHT	13.7	grams

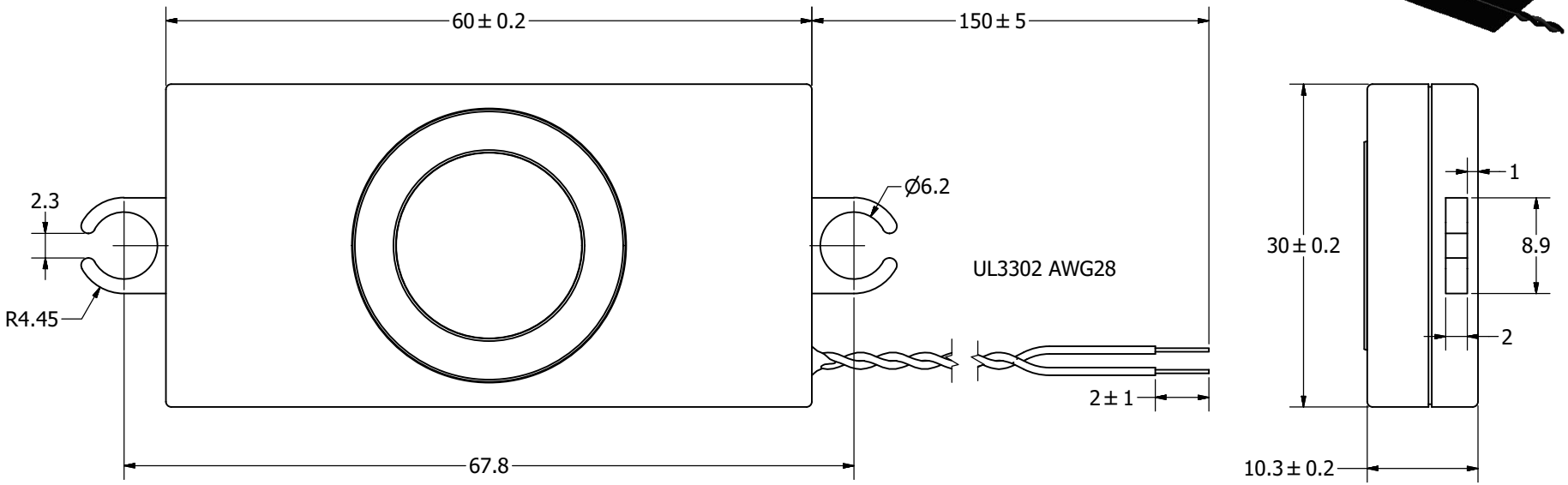
THIS DOCUMENT CONTAINS DATA PROPRIETARY TO PROJECTS UNLIMITED, INC. ANY USE OR REPRODUCTION, IN ANY FORM, WITHOUT PRIOR WRITTEN PERMISSION OF PROJECTS UNLIMITED, INC. IS PROHIBITED.

©2003, Projects Unlimited Inc.

REVISION HISTORY

LTR	DESCRIPTION	DATE	APPROVED
-	RELEASED FROM ENGINEERING	1/23/2014	





NOTES:

1. ALL DIMENSIONS ARE IN MILLIMETERS.
2. SPECIFICATIONS SUBJECT TO CHANGE OR WITHDRAWL WITHOUT NOTICE.
3. THIS PART IS RoHS 2011/65/EU COMPLIANT.

UNLESS OTHERWISE SPECIFIED: DIMENSIONS ARE IN MILLIMETERS, TOLERANCES ARE ±0.5 AND ANGLES ARE ±3°.	SIZE	Designed by	Date	Checked by	Date	Approved by	Date	Drawn Date
	A3	J.D.	1/22/2014	M.L.	1/22/2014	B.R.	1/22/2014	1/22/2014

ASE06008MR-LW150-R.idw

pui audio inc — a projects unlimited company

ASE06008MR-LW150-R

Speaker

Edition	Sheet
-	1 / 1