

## SPECIFICATIONS

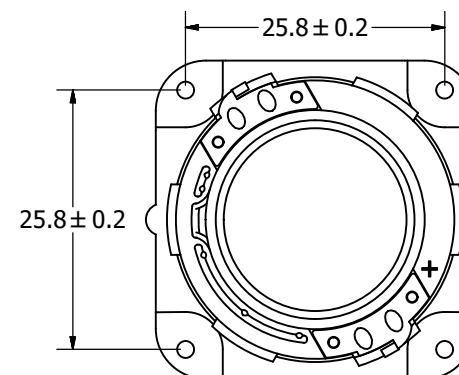
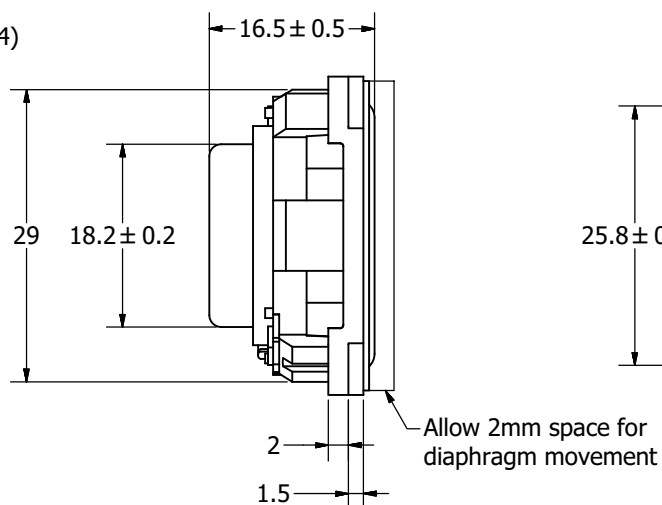
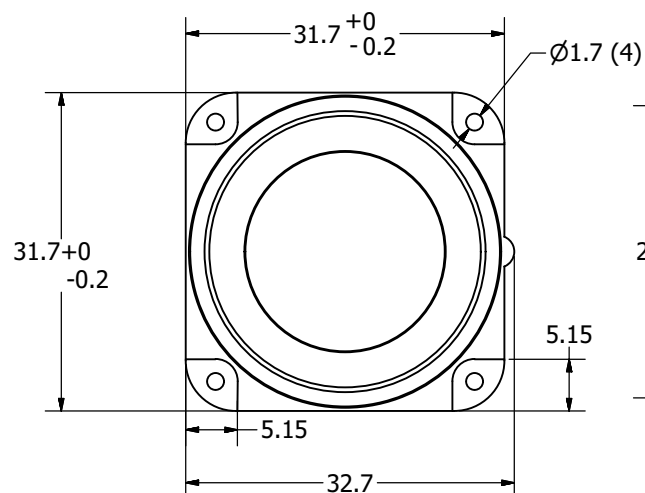
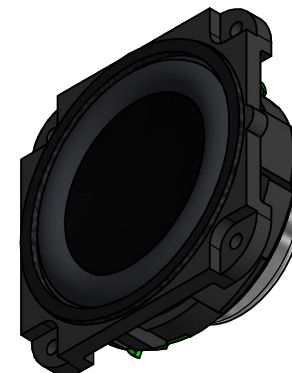
PARAMETERS	VALUES	UNITS
RATED INPUT POWER	3	W
MAX INPUT POWER	4	W
IMPEDANCE	8 ± 15%	OHM
OUTPUT SPL @ 1W/0.5M (AT 0.6, 0.8, 1.0, 1.2 kHz)	85 ± 3	dBA
DISTORTION (MAX. @ 1W/1 kHz)	5%	-
RESONANT FREQUENCY	200 ± 20%	Hz
FREQUENCY RANGE	200 ~ 20,000	Hz
HOUSING MATERIAL	ABS	-
CONE MATERIAL	PPE	-
MAGNET MATERIAL	NdFeB	-
OPERATING TEMPERATURE	-25 ~ +60	°C
WEIGHT	16.6	grams

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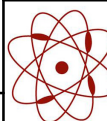
## REVISION HISTORY

LTR	DESCRIPTION	DATE	APPROVED
-	RELEASED FROM ENGINEERING	5/2/16	



### NOTES:

1. ALL DIMENSIONS ARE IN MILLIMETERS.
2. SPECIFICATIONS SUBJECT TO CHANGE OR WITHDRAWAL WITHOUT NOTICE.
3. THIS PART IS RoHS 2011/65/EU COMPLIANT.
4. THE FACE OF THIS PART COMPLIES WITH IP67 WATERPROOFING STANDARDS.

UNLESS OTHERWISE SPECIFIED:  DIMENSIONS ARE IN MILLIMETERS,  TOLERANCES ARE ±0.5 AND ANGLES ARE ±3°.	SIZE  <b>A3</b>	Designed by	Date	Checked by	Date	Approved by	Date	Drawn Date	
		M.V.	5/2/2016	M.V.	5/2/2016	B.R.	5/2/2016	5/2/2016	
	AS03208MS-3-R.idw		 <b>pui audio</b> a projects unlimited company			<b>AS03208MS-3-R</b>  <b>Speaker</b>			Edition -

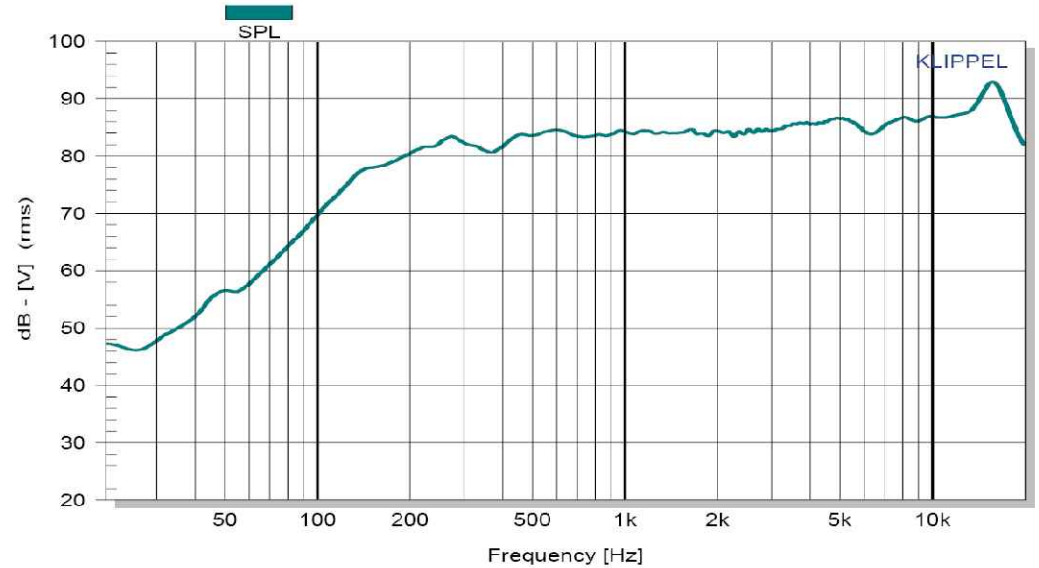
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## THIELE/SMALL PARAMETERS


PARAMETERS	VALUES
DC RESISTANCE (Re)	7.57
INDUCTANCE (Le) @ 1kHz	0.36
MAXIMUM IMPEDANCE (Zm)	41 OHMS
MECHANICAL Q FACTOR (Qms)	4.07
ELECTRICAL Q FACTOR (Qes)	0.92
TOTAL Q FACTOR (Qts)	0.75
EQUIVALENT AIR VOLUME (Vas)	0.05 LITERS
VOICE COIL DIAMETER	14 mm
XMAX ((VOICE COIL HEIGHT - GAP)/2)	1.5 mm
XMECH (MAXIMUM EXCURSION BEFORE DAMAGE)	2.5 mm
RECOMMENDED SEALED ENCLOSURE VOLUME RANGE	0.05~1 LITERS
RECOMMENDED PORTED VOLUME AND TUNING FREQUENCY	0.25L, 90 Hz (-3 dB) 85 Hz



REVISIONS			
LTR	DESCRIPTION	DATE	APPROVED
-	RELEASED FROM ENGINEERING	5/12/16	



- High fidelity design for consumer applications where sound quality matters
- Great sensitivity and power handling for a speaker this size
- IP67 rated speaker face for outdoor use
- Works well in a wide range of enclosure volumes

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APPROVALS		DATE	SPEAKER			
DRAWN	M. V.	5/16	SIZE	DRAWING NO.		
CHECKED	M. V.	5/16	A	AS03208MS-3-R PARAMETERS		
APPROVED	B. R.	5/16	SCALE: N.T.S.		SHEET 1 OF 1	