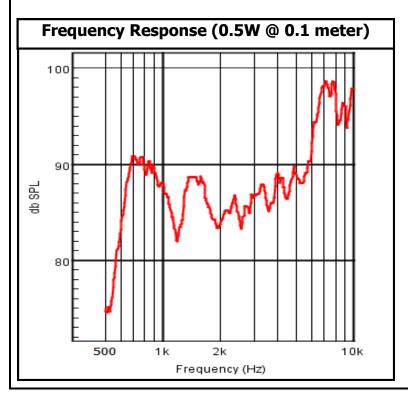


SMS-1508MS-2-R SMD Speaker

3541 Stop Eight Road • Dayton, Ohio 45414

Product Overview

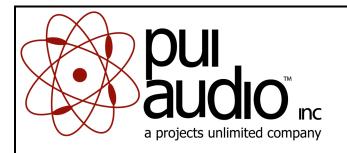
- 15mm square micro dynamic surface mount speaker with 87 dB sensitivity
- 0.5W continuous, 0.8W maximum power handling and 8Ω impedance
- Kapton® cone for wide frequency response and LCP housing for reflow soldering





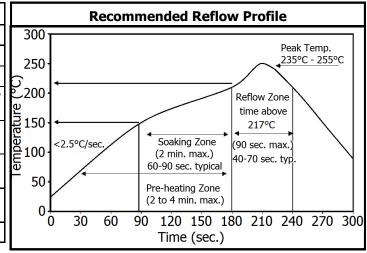


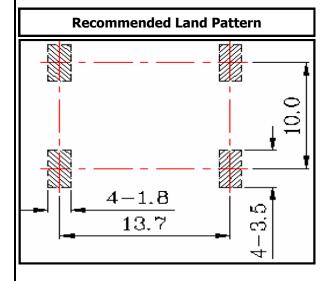


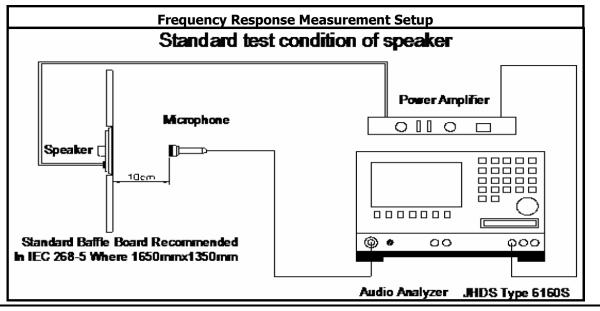


SMS-1508MS-2-R SMD Speaker

Mechanical and Environment Testing		
Test Description	Test Condition	
High Temperature	85°C with random humidity for 96 hours	
Low Temperature	-40°C with random humidity for 96 hours	
Humidity	25°C to 65°C with 90% to 95% relative humidity for 96 hours	
Vibration	5G movement modulated at 10 to 55 Hz for 2 hours each axis, 6 hours total	
Drop Test	75 cm free fall onto 40 mm thick board, 10 cy-	
Temperature Cycle Test	-40°C to 85°C, 5 cycles	
After tests, speaker shall rest for 1 hours. SPL shall not deviate ±3 dB from pre-test measurement.		





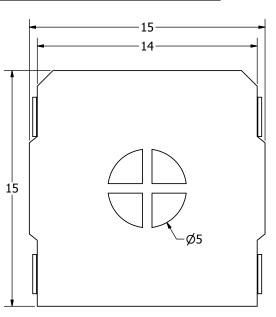


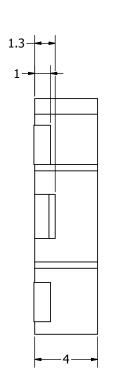
SPECIFICATIONS			
PARAMETERS	VALUES	UNITS	
RATED INPUT POWER	0.5	W	
MAX INPUT POWER	0.8	W	
IMPEDANCE	8 ± 15%	OHM	
OUTPUT SPL @ 0.5W/0.1M	87 + 3	dBA	
(AT 1.0, 1.6, 2.0, 3.2 kHz)	07 ± 3		
DISTORTION (MAX.)	5%	-	
RESONANT FREQUENCY	800 ± 20%	Hz	
FREQUENCY RANGE	500 ~ 10,000	Hz	
HOUSING MATERIAL	LCP	-	
CONE MATERIAL	KAPTON	-	
MAGNET MATERIAL	SmCo	-	
OPERATING TEMPERATURE	-30 ~ +85	°C	
WEIGHT	1.5	grams	

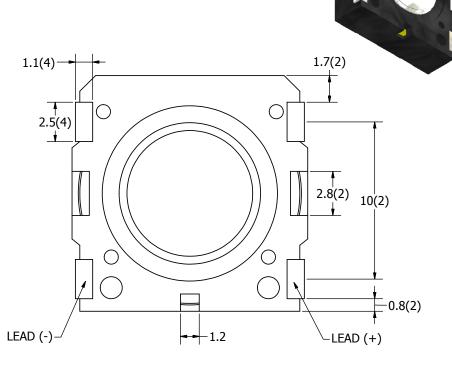
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REVISION HISTORY			
LTR	DESCRIPTION	DATE	APPROVED
-	RELEASED FROM ENGINEERING	8/9/2011	
Α	REVISED FREQUENCY RANGE	4/27/2012	B.R.







Checked by

Date

8/10/2011

NOTES:

- 1. ALL DIMENSIONS ARE IN MILLIMETERS.
- 2. SPECIFICATIONS SUBJECT TO CHANGE OR WITHDRAWL WITHOUT NOTICE.
- 3. THIS PART IS RoHS 2002/95/EC COMPLIANT.

UNLESS OTHERWISE SPECIFIED:		Designed by	Date	Ch
DIMENSIONS ARE IN	SIZE	J.D.	8/9/2011	
MILLIMETERS,		∞		
TOLERANCES ARE ±0.5 AND ANGLES ARE ±3°.	A3		pul	тм
SMS-1508M	S-2-R.idw		a projects unlimited co) ir

SMS-1508MS-2-R			
Consilian	Edition	Sheet	
Speaker	-	1/1	

Date

8/10/2011 8/9/2011

Drawn Date

Approved by