SPECIFICATIONS SHEET FOR APPROVAL

SMD SPEAKER
P/N: MSS15A080PM8

DESCRIPTION: L15mm, D15mm, H4.0mm SMD Speaker, 800Hz, 8Ohm, 0.5W, RoHS Compliance (Directive 2002/95/EC)

VERSION: 02

DATE: 2-May-2013

REVISIONS

VERSION	DESCRIPTION	DATE
01	Released from engineering	30-Sep-2011
02	Modify the temperature information (Operating temperature : -30 ~ +95C , Storage temperature : -40 ~ +95C)	2-May-2013

APPROVED BY :

CUSTOMER NAME :
DATE :

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Unit 2112-2113 , 21/F, International Trade Centre, 11-19 Sha Tsui Road, Tsuen Wan, Hong Kong
香港荃灣沙咀道11-19號達貿中心21樓2112-13室
Tel: +852 2304 4000 Fax: +852 2304 7000
email: sales@hk-sound.com website: www.hk-sound.com

SPECIFICATIONS SHEET

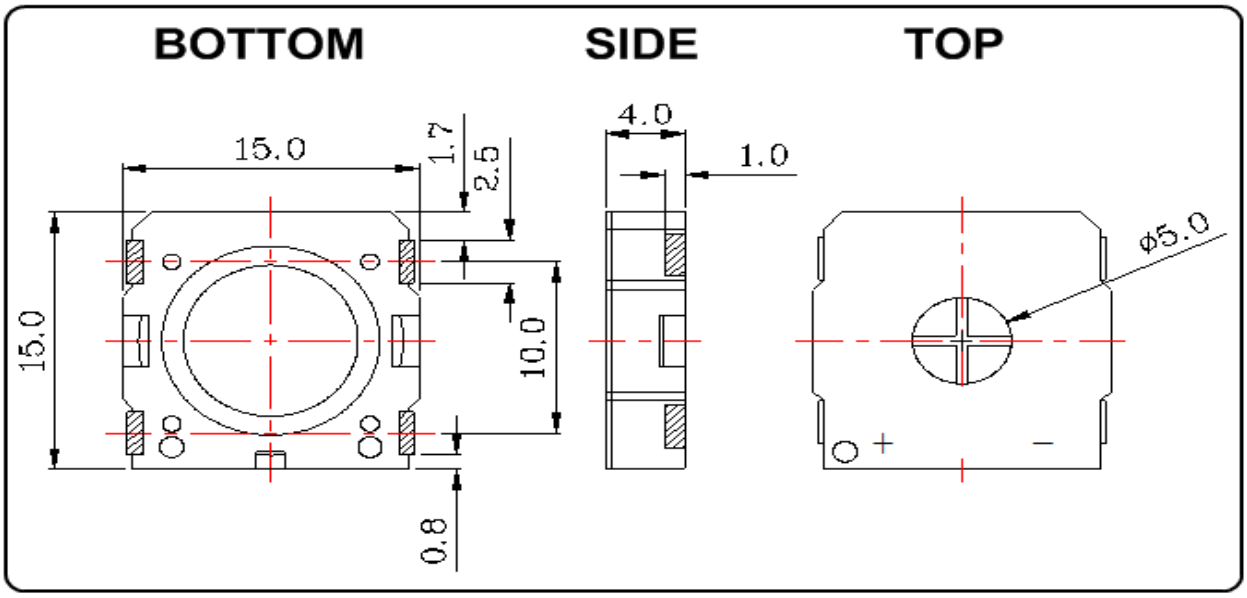
SMD SPEAKER
P/N: MSS15A080PM8

1. SPECIFICATIONS

PARAMETERS	VALUES	UNITS
*SOUND PRESSURE LEVEL	87 ± 3	dBA
RESONANCE FREQUENCY (Fo)	800 ± 20%	Hz
FREQUENCY RANGE	Fo – 20,000	Hz
RATED IMPEDANCE	8 ± 15%	Ohm
RATED POWER	0.5	W
MAX POWER	0.8	W
OPERATING TEMPERATURE	-30 to +95	℃
STORAGE TEMPERATURE	-40 to +95	℃
MAGNET	SMCO 6.7*1.1mm	-
HOUSING MATERIAL	LCP	-
CONE MATERIAL	KAPTON	-
TERMINAL MATERIAL	Tin plated copper	-
WEIGHT	1.5	g

*Tested at 0.1m 0.5W 1k, 1.6k, 2k, 3.2kHz Average

2. DIMENSIONS (unit in mm)



Tolerance: ±0.5mm except specified

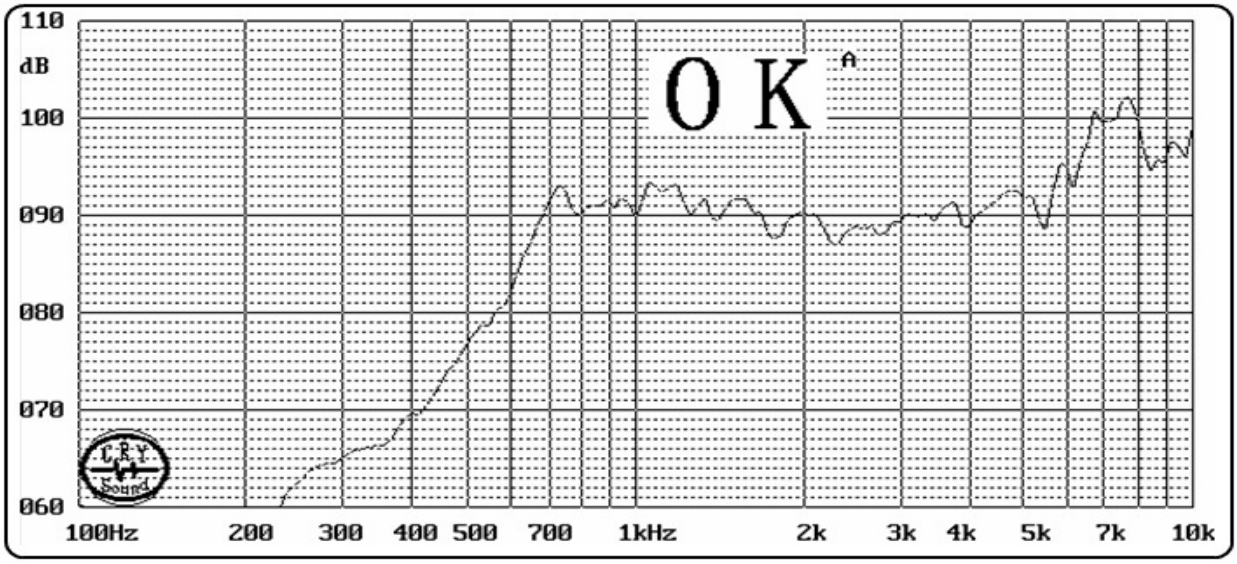
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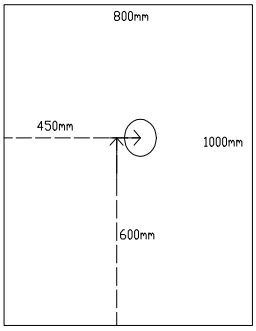
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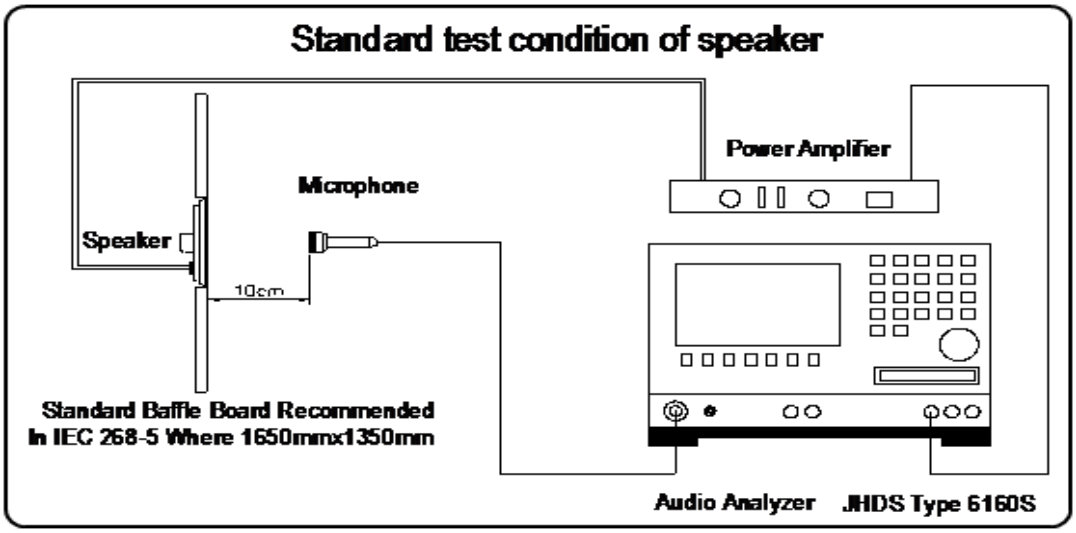
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3. FREQUENCY RESPONSE CURVE



4. MEASURING CONDITION





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5. RELIABILITY TEST

(Criteria : After these test , the change of S.P.L shall be within ±3 dB)

1) Load Test

Rated Power White noise is applied for 96 hours

2) Temperature Test

Keep 96 hours at +95℃±3℃ and leave 3 hours in normal temperature and then check

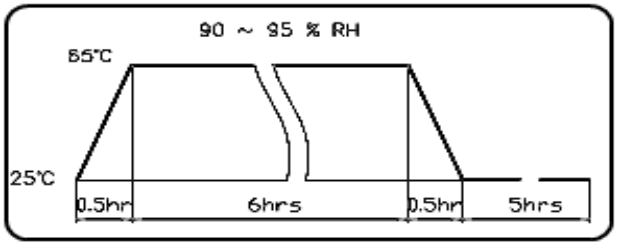
Keep 96 hours at -30℃±3℃ and leave 3 hours in normal temperature and then check

3) Humidity Test

Keep 96 hours at + 40℃±3℃ relative humidity 92-95% and leave 3 hours in normal temperature and then checked.

4) Temp./Humidity Cycle Test

The part shall be subjected 5 cycles. One cycle shall be 12 hours and consist of;



5) Thermal cycle test.

Low temperature: -40℃±3℃, temperature:+85℃±3℃, cycle:

1 hour/cycle each, and then keep 5 cycles in a room.

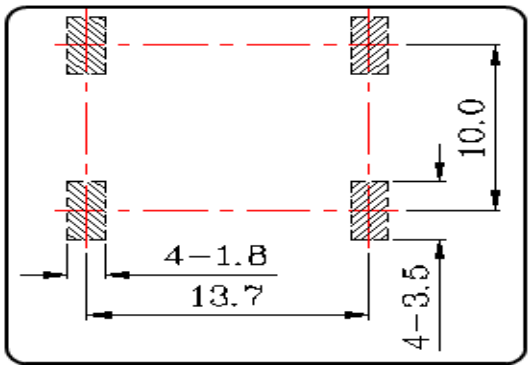
6) Vibration Test

10~55~10Hz sin-wave sweep 15min. 5G(constant)
X,Y, Z 3 direction. 2 hours each, total 6 hours.

7) Drop Test

Free drop from 100cm height to the concrete floor
X,Y, Z 6 direction. 1 times each, total 6 times.

6. RECOMMENDED LAND PATTERN



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