PRELIMINARY SPECIFICATIONS SHEET

MYLAR SPEAKER
P/N: MSI36-P16067

DESCRIPTION: D36mm, H4.8mm Mylar Speaker, 1W, 550Hz, 8ohm
RoHS Compliance (Directive 2002/95/EC)

VERSION: 01

DATE: 11-Apr-2016

REVISIONS

VERSION	DESCRIPTION	DATE
01	Released from engineering	11-Apr-2016

APPROVED BY :

CUSTOMER NAME :
DATE :

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PRELIMINARY SPECIFICATIONS SHEET

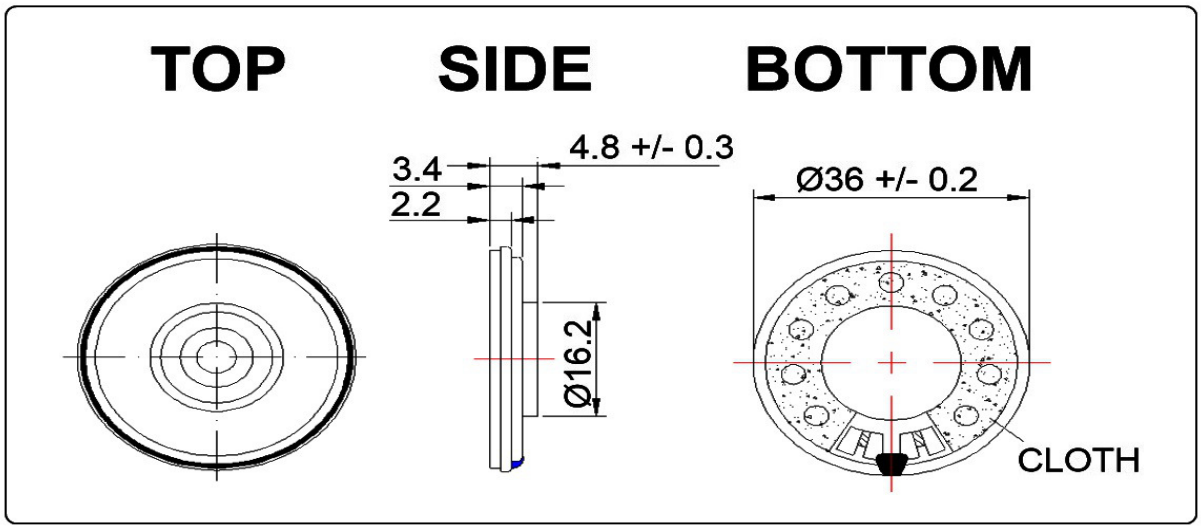
MYLAR SPEAKER
P/N: MSI36-P16067

1. SPECIFICATIONS

PARAMETERS	VALUES	UNITS
*SOUND PRESSURE LEVEL	102 ± 3	dBA
RESONANCE FREQUENCY	550 ± 20%	Hz
FREQUENCY RANGE	Fo – 10,000	Hz
RATED IMPEDANCE	8 ± 15%	Ohm
RATED POWER	1.00	W
MAX POWER	1.50	W
OPERATING TEMPERATURE	-40 to +66	℃
STORAGE TEMPERATURE	-40 to +66	℃
MAGNET	NdFeB Φ12.5*1.5mm	-
HOUSING	Metal	-

*Tested at 1W 0.1m average 0.8K 1.0K 1.2K 1.5KHz

2. DIMENSIONS (unit in mm)



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Tolerance: ±0.2mm except specified

All specifications subject to change without notice

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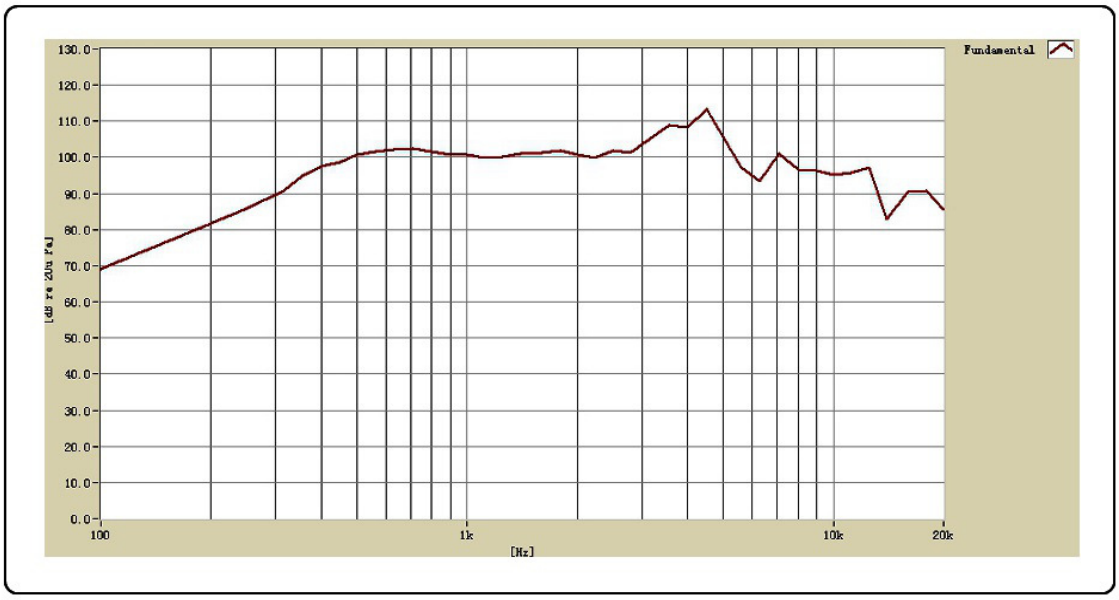
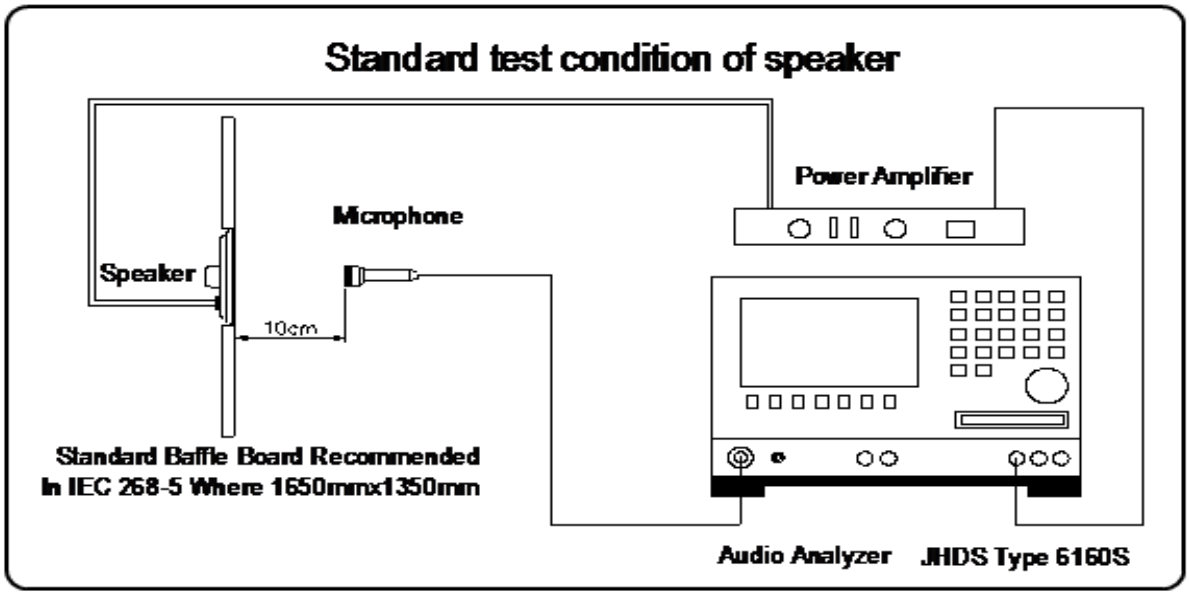
3. FREQUENCY RESPONSE CURVE



4. MEASURING CONDITION



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5. RELIABILITY TEST

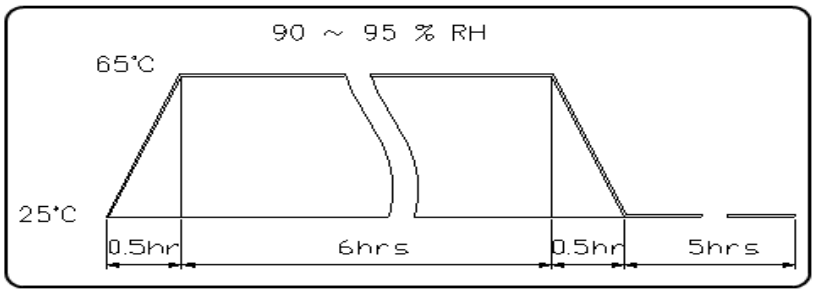
Testing Criteria
After these test , the change of S.P.L shall be within ±3 dB

1) Load Test
Rated Power (1W) White noise is applied for 96 hours

2) Temperature Test
a) Keep 96 hours at +60℃±3℃ and leave 6 hours in normal temperature and then check
b) Keep 96 hours at -20℃±3℃ and leave 6 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) Thermal Shock Test
The part shall be subjected 5 cycles. One cycle shall be 6 hours and consist of;



5) Drop Test
Drop the speakers contained in normal box onto the board 40mm thick 10 times from the height of 75cm.

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

7) Terminal Strength Test
The pull force shall be applied to double lead wire：
Horizontal 3.0N(0.306kg) for 30 seconds. Vertical 2.0N(0.204kg) for 30 seconds.

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