PRELIMINARY SPECIFICATIONS SHEET

MYLAR SPEAKER
P/N: MSI20-P16085

DESCRIPTION: D20x14mm, H3.8mm Mylar Speaker, 800Hz, 8Ohm, 0.8W, RoHS Compliance (Directive 2002/95/EC)

VERSION: 01

DATE: 13-May-2016

REVISIONS

VERSION	DESCRIPTION	DATE
01	Released from engineering	13-May-16

APPROVED BY :

CUSTOMER NAME :
DATE :

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PRELIMINARY SPECIFICATIONS SHEET

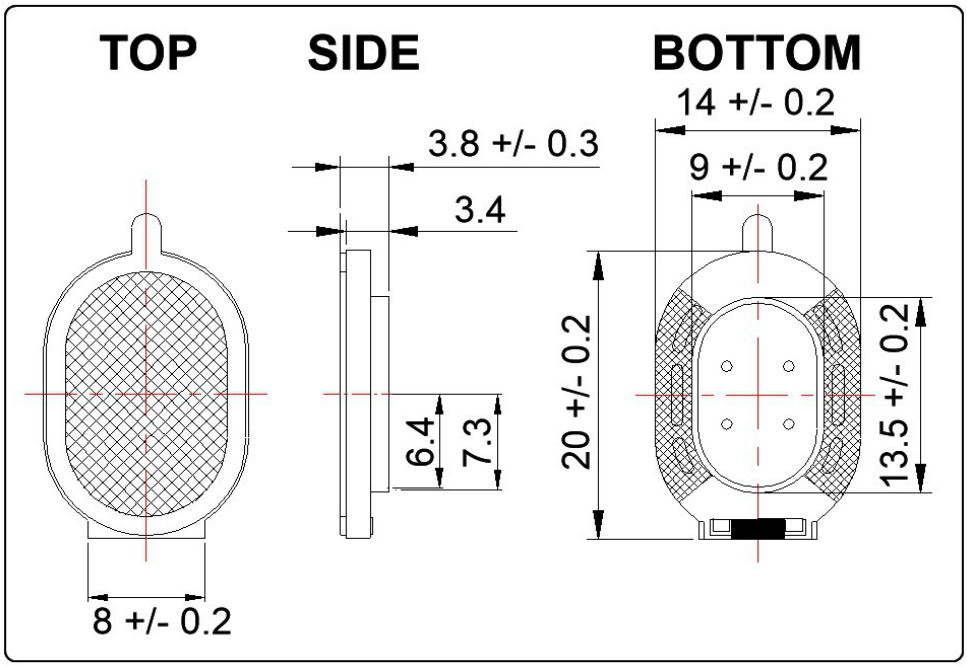
MYLAR SPEAKER
P/N: MSI20-P16085

1. SPECIFICATIONS

PARAMETERS	VALUES	UNITS
*SOUND PRESSURE LEVEL	94 ± 3	dBA
RESONANCE FREQUENCY (Fo)	800 ± 20%	Hz
FREQUENCY RANGE	Fo – 20,000	Hz
RATED IMPEDANCE(AT 1KHZ 1.0V)	8 ± 15%	Ohm
RATED POWER	0.5	W
MAX POWER	1.0	W
MAGNET	ø10 X 5.5 X 1mm NdFeB	-
OPERATING TEMPERATURE	-20 to +60	℃
STORAGE TEMPERATURE	-30 to +70	℃
HOUSING	PLASTIC	-
DIAPHRAGM MATERIAL	MYLAR CONE	-

*Tested at 0.1m 0.5W , at 0.8kHz , 1kHz , 1.2kHz , 1.5kHz Average

2. DIMENSIONS (unit in mm)



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Tolerance: ±0.5mm except specified

All specifications subject to change without notice

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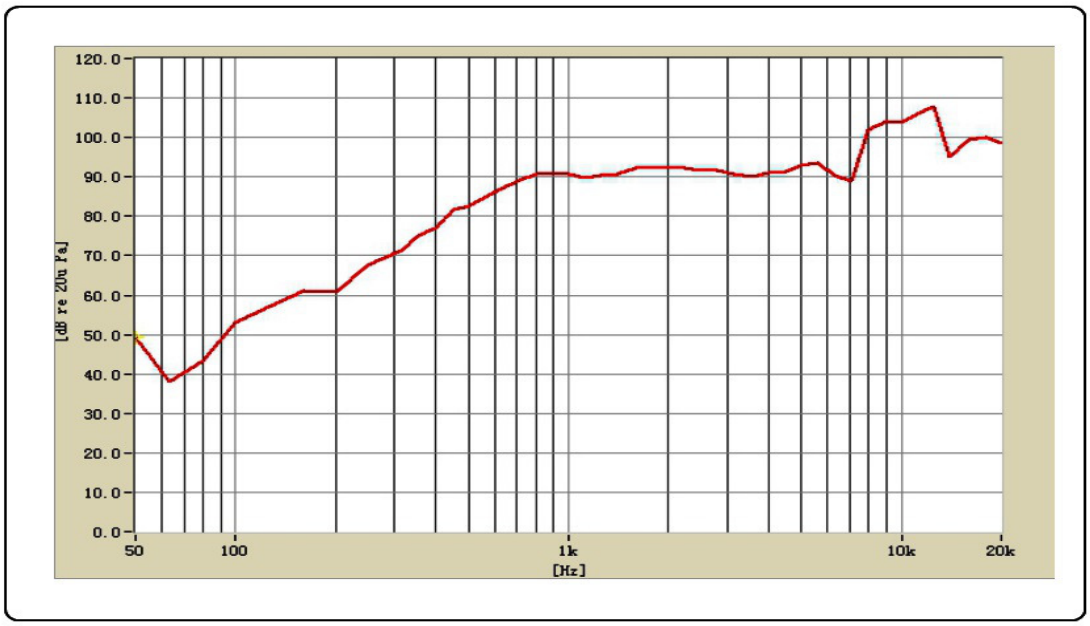
3. FREQUENCY RESPONSE CURVE



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4. RELIABILITY TEST

Testing Criteria

All specifications (in page 2) must be satisfied after below tests.

(Recovery:2 to 4 hrs of recovery under the standard condition after the removal from test chamber.)

1)Load Test

Input power: 0.5W,white noise 96 hours

2) Temperature Test

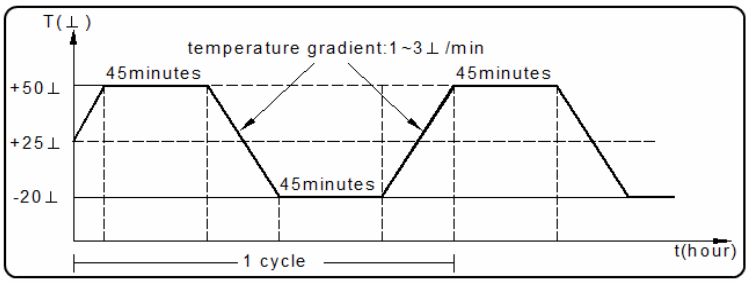
a) Exposure at +60℃ for 96 hours then leave 3 hours in normal temperature and test the Specifications.

b) Exposure at -20℃ for 96 hours then leave 3 hours in normal temperature and test the Specifications.

3) Humidity Test

Exposure at +40℃ and 90%-95% relative humidity for 96 hours and leave 3 hours in normal temperature. Then test the Specifications.

4) Temperature Cycle Test



Exposure to above temperature cycle for 5 times and room temperature for 2 hours.

5) Drop Test

Drop the speakers from a height of 1.5m for 6 times .

6)Vibration Test

Frequency: 10~55~10Hz Oct/min ,Amplitude: 1.5mm Duration: 2 hours in each 3 axes

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