
PRELIMINARY SPECIFICATIONS SHEETMYLAR SPEAKER
P/N: MSI30-P12100**DESCRIPTION: D30mm, H5mm Mylar Speaker, 600Hz, 80hm, 1W****VERSION: 01****DATE: 3-July-12****REVISIONS**

VERSION	DESCRIPTION	DATE
01	Released from engineering	3-July-12

APPROVED BY :

CUSTOMER NAME :**DATE :**

PRELIMINARY SPECIFICATIONS SHEET

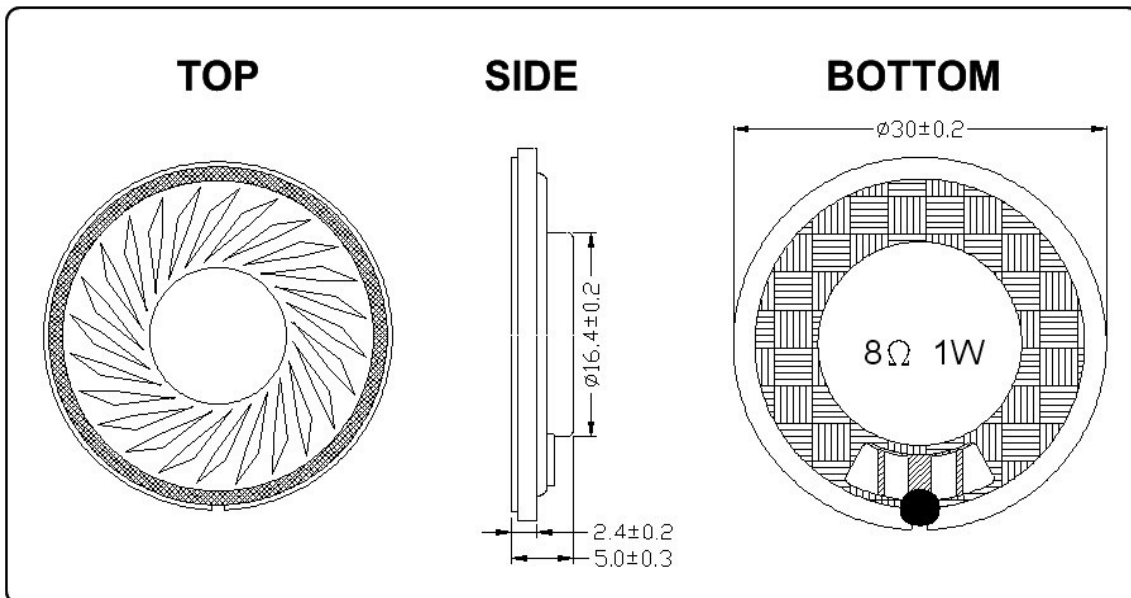
MYLAR SPEAKER
P/N: MSI30-P12100

1. SPECIFICATIONS

PARAMETERS	VALUES	UNITS
*SOUND PRESSURE LEVEL	83 ± 3	dBA
RESONANCE FREQUENCY (Fo)	600 ± 20%	Hz
FREQUENCY RANGE	Fo – 20,000	Hz
RATED IMPEDANCE (At 1KHZ, 1V)	8 ± 15%	Ohm
RATED POWER	1.0	W
MAX POWER	1.5	W
MAGNET	Ø12.5 X 1.5	mm
OPERATING TEMPERATURE	-20 to +60	°C
STORAGE TEMPERATURE	-30 to +60	°C
HOUSING	METEL	-
DIAPHRAGM MATERIAL	MYLAR	-
WEIGHT	1.1	g

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

2. DIMENSIONS (unit in mm)



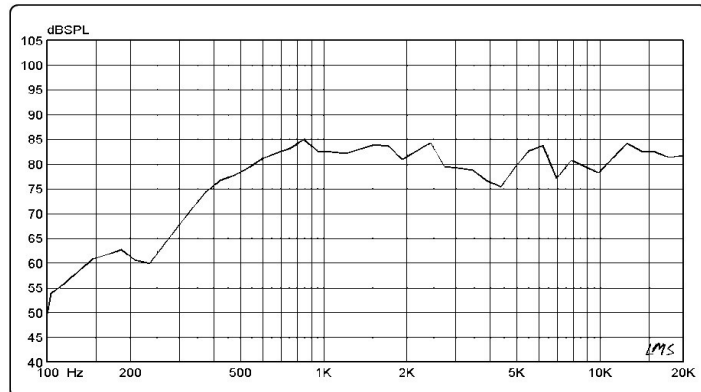
Tolerance: ± 0.5 mm except specified

VERSION: 01

DATE: 3-July-12

All specifications subject to change without notice

3. FREQUENCY RESPONSE CURVE



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: 1W, white noise 96 hours

2) Temperature Test

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

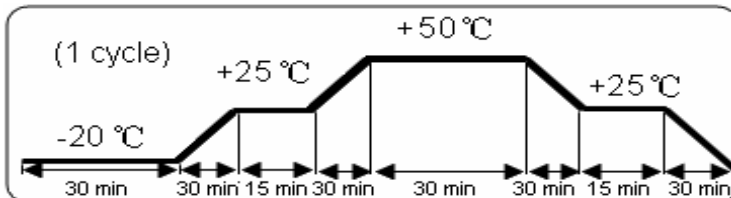
b) Exposure at -20°C for 96 hours then leave 3 hours in normal temperature and test the Specifications.

3) Humidity Test

Exposure at +40°C 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

7) Terminal Strength Test

Load: 1.0Kg duration: 5sec.

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Page 3 of 3