

SPECIFICATIONS SHEET FOR APPROVAL

MYLAR SPEAKER
P/N: MSI20B065PS8-1

DESCRIPTION: D20mm, H4.8mm Mylar Speaker, 650Hz, 8Ohm, 1W
RoHS Compliance (Directive 2002/95/EC)

VERSION: 01

DATE: 13-Feb-14

REVISIONS

VERSION	DESCRIPTION	DATE
01	Released from engineering	13-Feb-14

APPROVED BY :

CUSTOMER NAME :

DATE :

SPECIFICATIONS SHEET

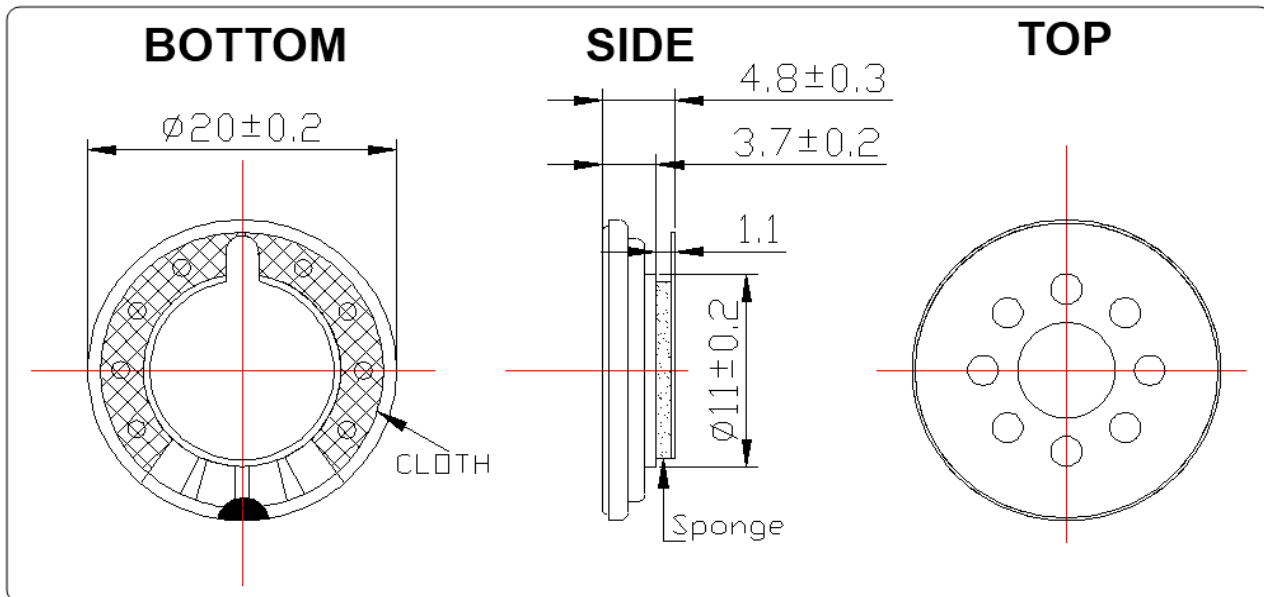
MYLAR SPEAKER
P/N: MSI20B065PS8-01

1. SPECIFICATIONS

PARAMETERS	VALUES	UNITS
*SOUND PRESSURE LEVEL	88 ± 3	dB
RESONANCE FREQUENCY (Fo)	650 ± 20%	Hz
FREQUENCY RANGE	Fo – 20,000	Hz
RATED IMPEDANCE (AT 1K HZ 1.0 Vrms)	8 ± 15%	Ohm
RATED POWER	1.0	W
MAX POWER	1.5	W
MAGNET	Ø8 X 1.0 NdFeB	-
OPERATING TEMPERATURE	-20 to +60	°C
STORAGE TEMPERATURE	-30 to +60	°C
HOUSING	METAL	-
DIAPHRAGM MATERIAL	MYLAR	-
WEIGHT	2.1	g

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

2. DIMENSIONS (unit in mm)

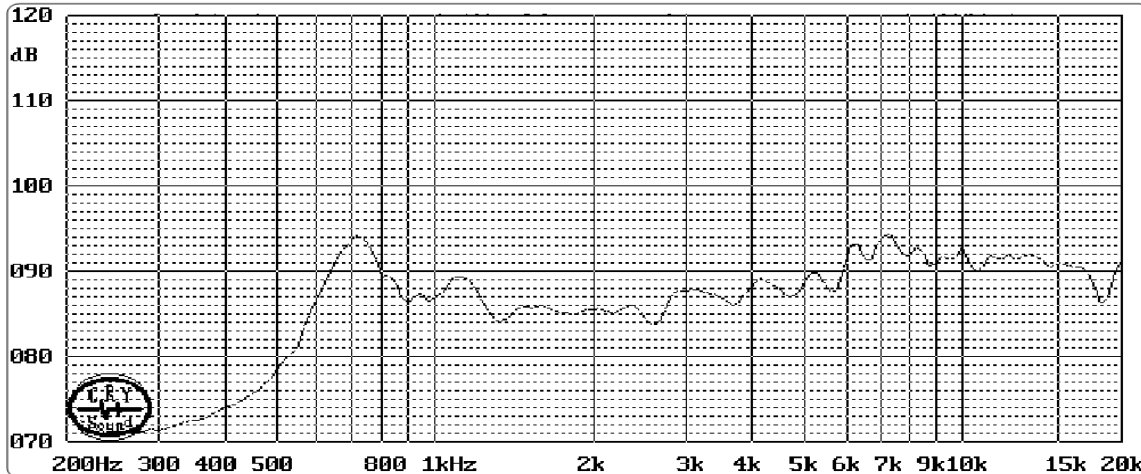


Tolerance: ± 0.5 mm except specified

VERSION: 01
DATE: 13-Feb-14

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

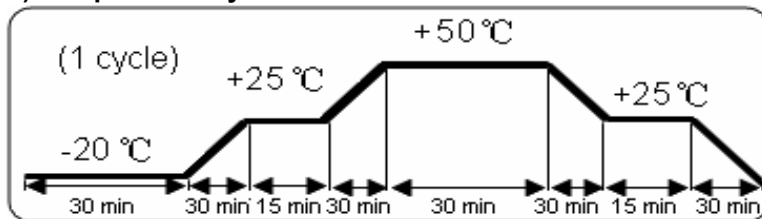
2) Temperature Test

- a) Exposure at +60°C for 96 hours then leave 3 hours in normal temperature and test the Specifications.
- b) Exposure at -30°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