
PRELIMINARY SPECIFICATIONS SHEETMYLAR SPEAKER
P/N: MSI22-P16083**DESCRIPTION: D22x9mm, H4.2mm Mylar Speaker, 950Hz, 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-2016

APPROVED BY :

CUSTOMER NAME :**DATE :**

PRELIMINARY SPECIFICATIONS SHEET

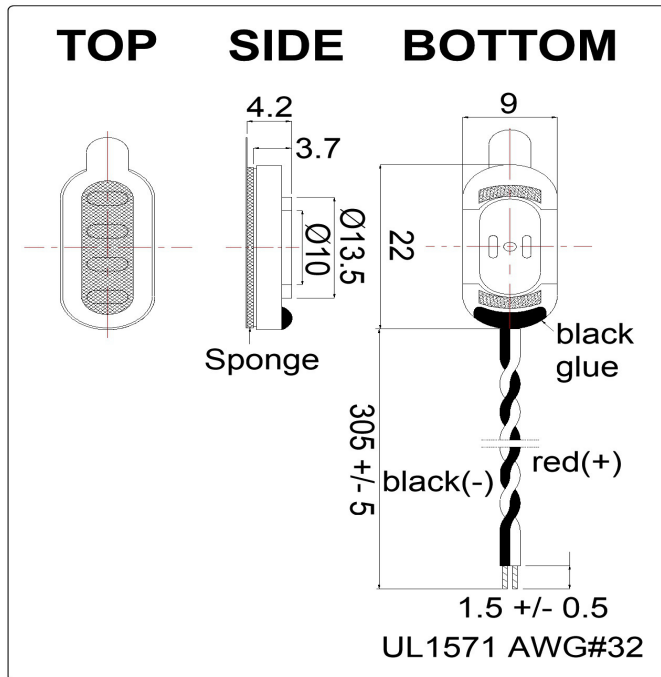
MYLAR SPEAKER
P/N: MSI22-P16083

1. SPECIFICATIONS

PARAMETERS	VALUES	UNITS
*SOUND PRESSURE LEVEL	90 ± 3	dBA
RESONANCE FREQUENCY (Fo)	950 ± 20%	Hz
FREQUENCY RANGE	Fo – 20,000	Hz
RATED IMPEDANCE(AT 1KHZ 1.0V)	8 ± 15%	Ohm
RATED POWER	0.8	W
MAX POWER	1.0	W
MAGNET	ø10.4 X 3.4 X 1.3mm NdFeB	-
OPERATING TEMPERATURE	-20 to +60	°C
STORAGE TEMPERATURE	-30 to +70	°C
HOUSING	PLASTIC	-
DIAPHRAGM MATERIAL	MYLAR CONE	-
WEIGHT	1.2	g

*Tested at 0.1m 0.8W 800, 1k, 1.2k, 1.5kHz Average

2. DIMENSIONS (unit in mm)



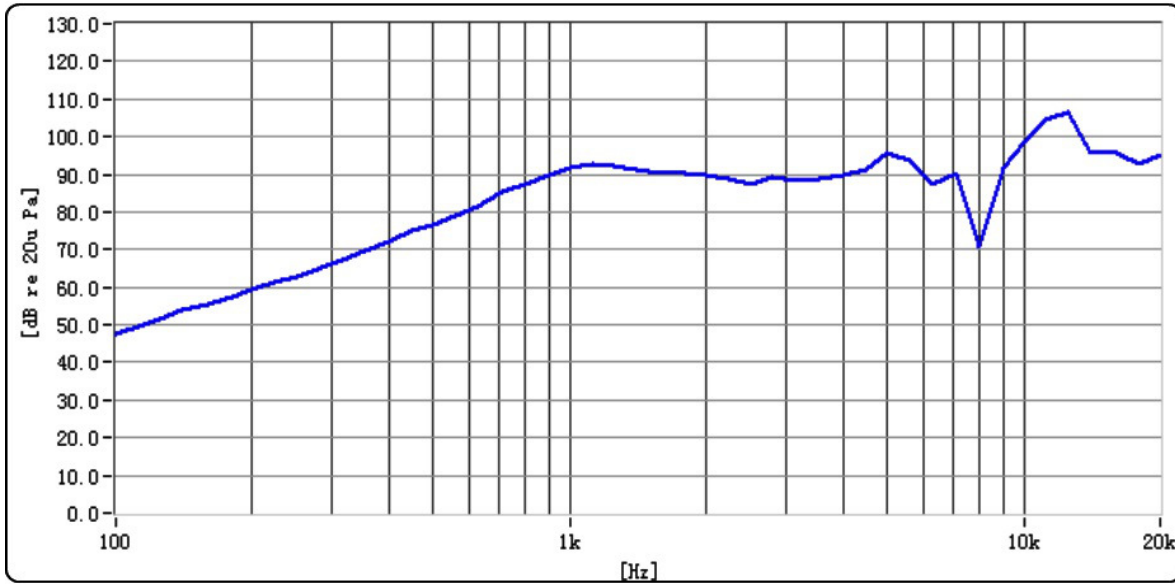
VERSION: 01

Tolerance: ±0.5mm except specified

All specifications subject to change without notice

DATE: 13-May-16

3. FREQUENCY RESPONSE CURVE



VERSION: 01

DATE: 13-May-16

All specifications subject to change without notice

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: 0.8W, white noise 96 hours

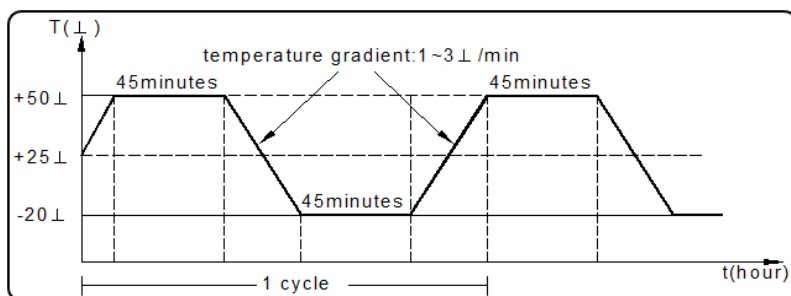
2) Temperature Test

- a) Exposure at +70°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

VERSION: 01

DATE: 13-May-16

All specifications subject to change without notice