

SPECIFICATIONS SHEET FOR APPROVAL

MAGNETIC TRANSDUCER
P/N: MT1260A01NP-01

DESCRIPTION: D12mm, H6mm Magnetic Transducer, 2730Hz,
1.5Vo-p, 85dB at 10cm, 6mm pin, side sound hole

VERSION: 02

DATE: 3-Jan-20

REVISIONS

VERSION	DESCRIPTION	DATE
01	Released from engineering	2-Apr-19
02	Update the part number	3-Jan-20

APPROVED BY :

CUSTOMER NAME :

DATE :

SPECIFICATIONS SHEET

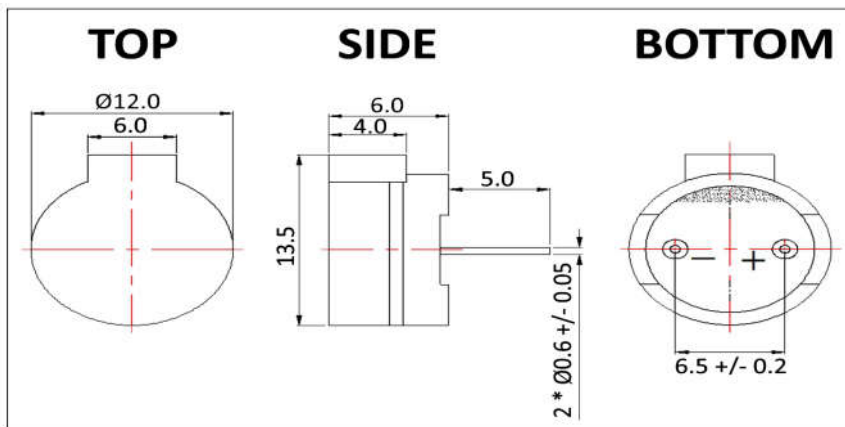
MAGNETIC TRANSDUCER
P/N: MT1260A01NP-01

1. SPECIFICATIONS

PARAMETERS	VALUES	UNITS
*MIN SOUND PRESSURE LEVEL AT 10 CM	85	dBA
RATED VOLTAGE	1.5	Vo-p
OPERATING VOLTAGE	1 – 3	Vo-p
RESONANCE FREQUENCY	2,730	Hz
*MAX OPERATING CURRENT	150	mA
COIL RESISTANCE	5 ± 2	Ohm
OPERATING TEMPERATURE	-30 to +70	°C
STORAGE TEMPERATURE	-40 to +85	°C
HOUSING	NORYL	-
WEIGHT	2	g

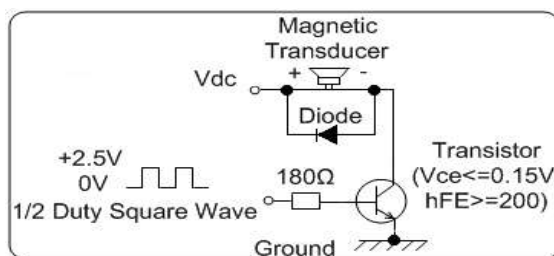
*Value applying rated voltage (1/2 duty square wave, resonance frequency)

2. DIMENSIONS (unit in mm)



Tolerance: ± 0.5 mm except specified

3. RECOMMENDED CIRCUIT



VERSION: 02
DATE: 3-Jan-20

All specifications subject to change without notice

4. RELIABILITY TEST

a) HIGH TEMPERATURE TEST

After exposure at $+70 \pm 2^\circ\text{C}$ for 96 hours and room temperature for 2 hours, the value of frequency/current/SPL should meet specifications shown in page 2.

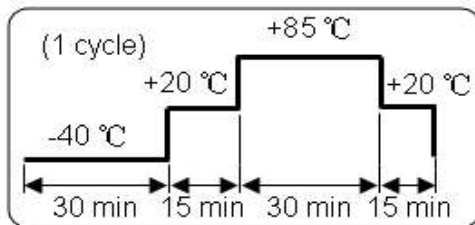
b) LOW TEMPERATURE TEST

After exposure at $-30 \pm 2^\circ\text{C}$ for 96 hours and room temperature for 2 hours, the value of frequency/current/SPL should meet specifications shown in page 2.

c) HUMIDITY TEST

$25 \pm 2^\circ\text{C}$, 90-95%RH, 5hr= \Rightarrow up to $55 \pm 2^\circ\text{C}$, 90-95%RH, 0.5hr= \Rightarrow $55 \pm 2^\circ\text{C}$, 90-95%RH, 5hr= \Rightarrow down to $25 \pm 2^\circ\text{C}$, 90-95%RH, 0.5hr, 10 cycles

d) THERMAL SHOCK TEST



After exposure to above temperature cycle for 5 times and room temperature for 2 hours, the value of frequency/current/SPL should meet specifications shown in page 2.

e) VIBRATION TEST

After vibrating the object with 1.5mm amplitude at 10 - 50 Hz in 3 perpendicular directions for 2 hours each, the value of frequency/current/SPL should meet specifications shown in page 2.

f) DROP TEST

After Dropping naturally from 700mm height onto the surface of 10mm wooden board with 3 directions, the value of frequency/current/SPL should meet specifications shown in page 2.