SPECIFICATIONS SHEET FOR APPROVAL

EXTERNAL DRIVE PIEZO TRANSDUCER
P/N: PT1360AHP-01

DESCRIPTION: D12.6mm, H6.4mm EDPT, 4000Hz, 6Vp-p, 80dB at 10cm
12000pF, packed with tape
RoHS Compliance (Directive 2002/95/EC)

VERSION: 01

DATE: 5-Mar-2015

REVISIONS

VERSION	DESCRIPTION	DATE
01	Released from engineering	5-Mar-15

APPROVED BY :

CUSTOMER NAME :
DATE :

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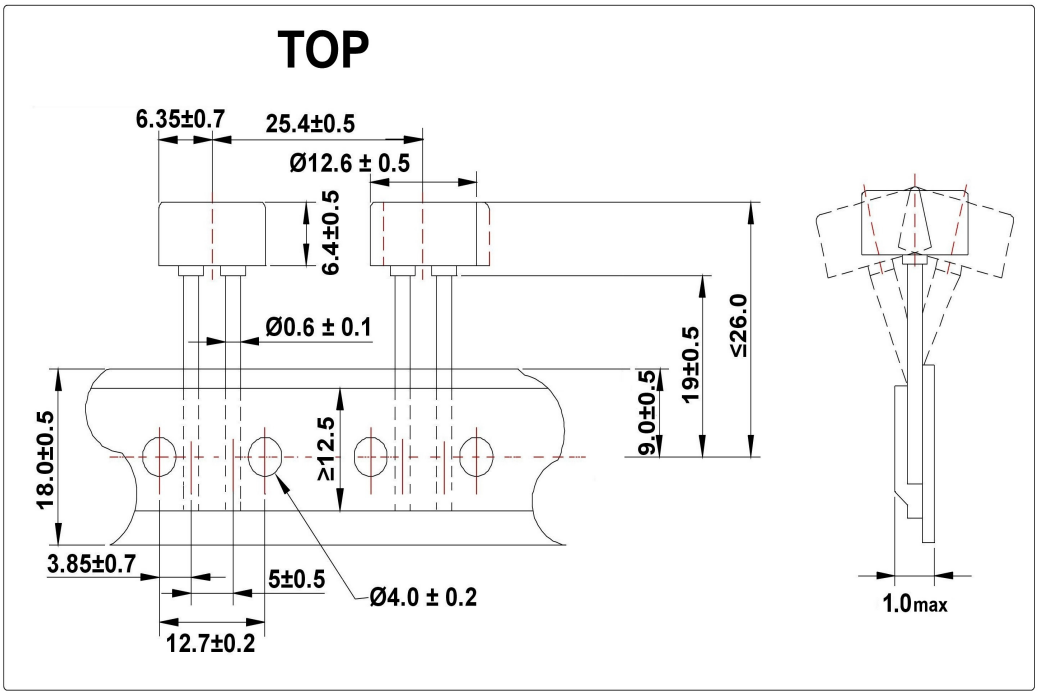
P/N: PT1360AHP-01

1. SPECIFICATIONS

PARAMETERS	VALUES	UNITS
*MIN SOUND PRESSURE LEVEL AT 10 CM	80	dBA
RATED VOLTAGE	6	Vp-p
MAX OPERATING VOLTAGE	30	Vp-p
RESONANCE FREQUENCY	4,000	Hz
CAPACITANCE AT 1KHz	12,000 ± 30%	pF
OPERATING TEMPERATURE	-30 to +70	℃
STORAGE TEMPERATURE	-40 to +85	℃
HOUSING	PBT	-
WEIGHT	0.80	g

*Value applying rated voltage (square wave) and resonance frequency

2. DIMENSIONS (unit in mm)



Tolerance: ±0.5mm except specified

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All specifications subject to change without notice

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3. 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) Life Test

At 6 Vp-p, 1 minutes ON 1 minutes OFF in room temperature continuously for 96 hours.

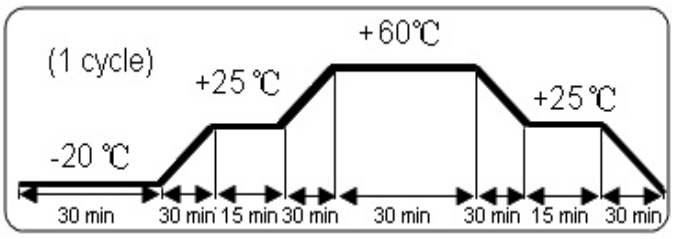
2) Temperature Test

a) High Temperature
Exposure at +70 ± 3℃ for 96 hours(Non-Functioning); Exposure at +80 ± 3℃ for 96 hours(Functioning)
b) Low Temperature
Exposure at -20 ± 3℃ for 96 hours(Non-Functioning); Exposure at -30 ± 3℃ for 96 hours(Functioning)

3) Humidity Test

Exposure at +40± 3℃ and 90%-95% relative humidity for 96 hours.

4) Thermal Shock Test



Exposure to above temperature cycle for 5 times.

5) Drop Test

Dropped naturally from 750mm height onto the surface of 10mm wooden board. 2 directions – upper and side of the part are applied.

6) Vibration Test

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

7) Shock

980m/s2 (=100g) shock for each mutually perpendicular directions, half sine wave, 3 times each.

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