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SPECIFICATION

<part number : BST-1295C>

(dip type magnetic buzzer)

 **Bosan Hitech Co., Ltd.**

addr : 444-2 Nonhyun Dong, Namdong Ku, Incheon, Korea

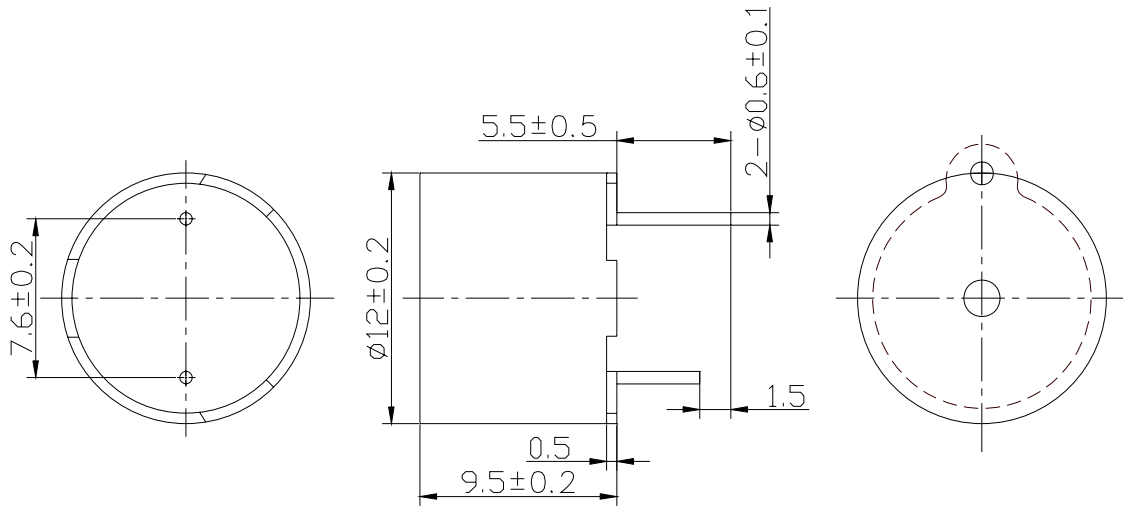
phone : +82 32 818 2125 ~ 7

fax : +82 32 818 8780

email : andy@bosanhitech.com

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1. Dimension



housing material : Noryl Black
pin material : Tin plated Copper

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2. Scope

This specification is applied to an active magnetic buzzer assembly- which is used as an alert or keypad tone in portable electronic product.

3. Electrical Specifications

All data at 20 ± 2 °C, humidity $65 \pm 10\%$ unless otherwise specified.

Items	Specifications	Unit	remark
rated voltage	5.0	DCV	DC voltage input
operating voltage	3.0 ~ 7.0	DCV	
output frequency	2300 ± 300	Hz	
reponse time	max. 50	ms	
sound pressure level(SPL)	Min. 85	dBA	measuring distance : 10 cm
max. current consumption	30	mA	
operating temperature	-20 ~ 70	°C	
storage temperature	-30 ~ 80	°C	

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4. Reliability specification

#1. static humidity -. 55±5°C, 95±3% RH, 96HRS
#2. high temp. -. +80±2°C, 96HRS
#3. low temp. -. -30±2°C, 96HRS
#4. temperature cycling -. -30±2°C, 30 mins -. Room temp, 10 mins -. +80±2°C, 30 mins -. Room temp, 10 mins -. 5 cycles
#5. drop test -. 3 free falls onto a concrete floor from a height of 50cm.

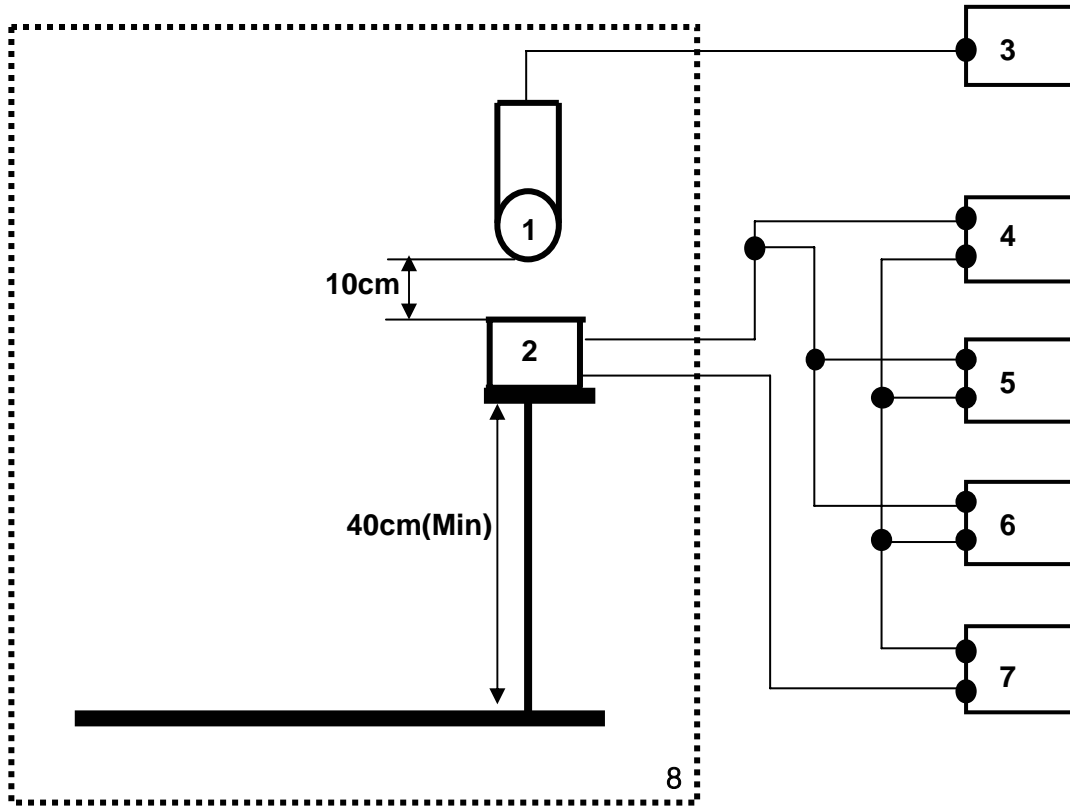
Note

- . Characteristic change : Initial SPL value ± 10%
- . #4 and #5 will be performed in circuit state
- . Test specimens shall be kept for 4 hrs, 25°C before the measurement.

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5. Electrical / acoustical measuring equipments and their setting

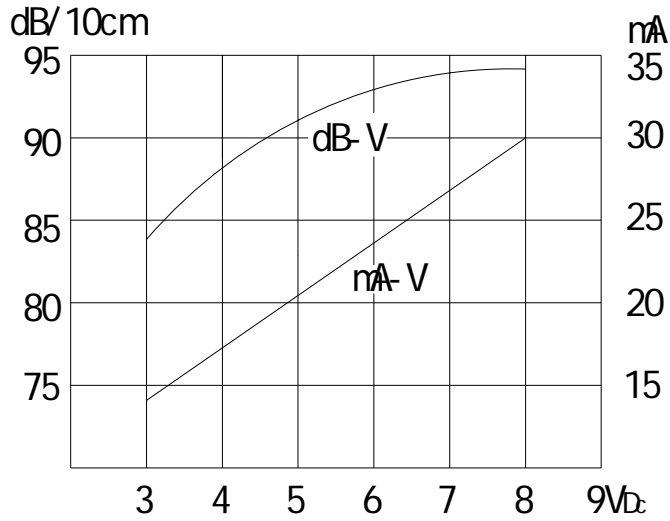


No.	equipments	remark
1	condenser mic	
2	device under test	
3	F.F.T, or S.P.L indicator	
4	oscillator	
5	frequency counter	
6	voltage meter	
7	ampere meter	
8	sound proof room	

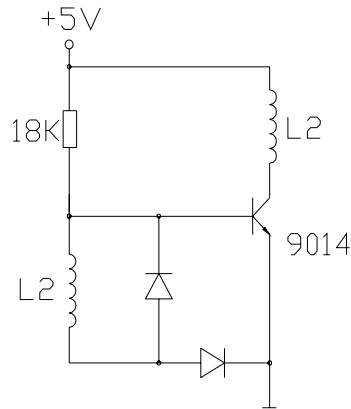
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6. typical characteristic curves



7. Internal circuit diagram



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