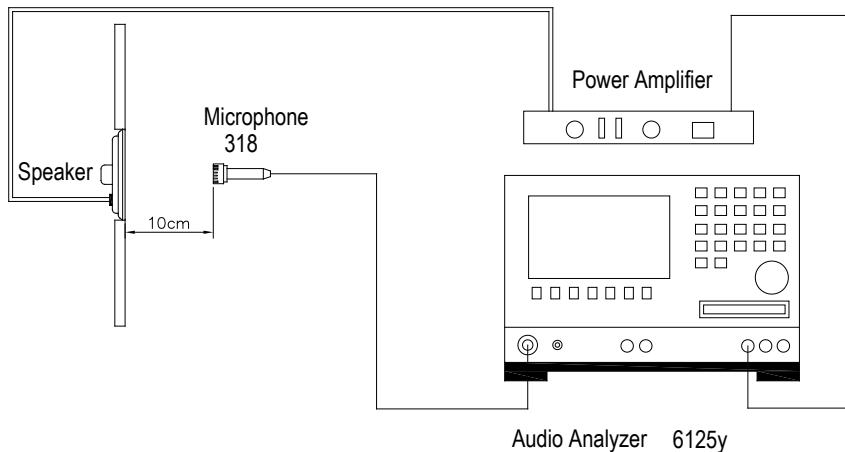


**MODEL:** SP-2605**PRODUCT:** Dynamic Speaker**EDITION:** A/2016**Soberton Inc.****THIS SPECIFICATION COVERS OUR PRODUCT OF DYNAMIC SPEAKER UNIT FOR MOBILE PHONE USE****DYNAMIC SPEAKER ELECTROACOUSTIC CHARACTERISTICS**

sound pressure level	90±3dB SPL @ 0.8, 1.0, 1.2 and 1.5KHz in average (0dB SPL=20μPa)
measuring condition	0.1W (Sine wave) 10cm measured with baffle shown in Fig.1
frequency response curve	As shown in Fig.2
response frequency	550 ± 20%Hz @ 1V. (Without Baffler)
rated noise power	0.5W
short-term max. power	0.6W must be normal at a white noise (1W, F0-20KHz) for one minute
distortion	Less than 5% @1KHz, 0.1M , 1W frequency range, input level up to 2.0Vrms
ac impedance	8±15%Ω (@ 2 KHz 1V) without baffler
operation test	Must be free audible noise (buzzes and rattles) 300 ~8KHz frequency range, input level up to 2.0Vrms

**GENERAL SPECIFICATIONS**

operating temperature range	-20°C ~ +60°C
storage temperature range	-30°C ~ +70°C
standard test conditions	
temperature	17°C ~ 25°C
relative humidity	45% ~ 80%(RH)
dimension	Ø 26 x 5.0mm

**MEASURING METHOD (SPEAKER MODE) (Figure 1)****Standard test condition of speaker****TEST CONDITION****STANDARD**

temperature	15 ~ 35°C
relative humidity	45% ~ 85%
atmospheric pressure	860mbar to 1060mbar.
STANDARD TEST FIXTURE	
input power	0.1W (0.89V)
zero level	-dB
mode	TSR
potentiometer range	50dB
sweep time	0.5sec



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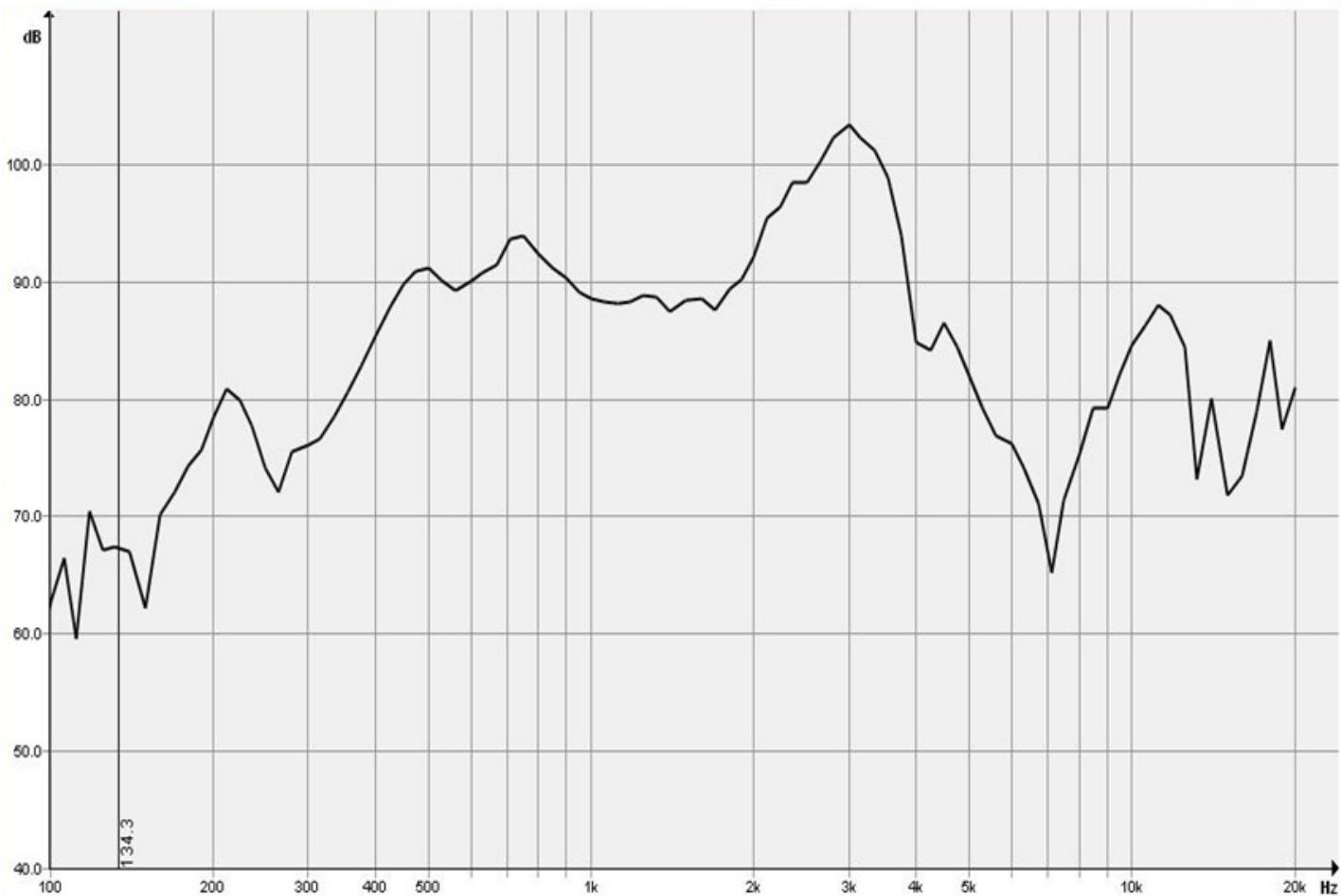
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**TYPICAL FREQUENCY RESPONSE CURVE** (Figure 2)

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## RELIABILITY TESTS

The sound pressure as specified shall neither deviate more than  $\pm 3$ dB from the initial value, nor have any significant damage after any of following testing.

### HIGH TEMPERATURE TEST

high temperature	+60 $\pm 2$ °C
duration	96 hours

### LOW TEMPERATURE TEST

low temperature	-20 $\pm 2$ °C
duration	96 hours

### HEAT SHOCK TEST

high temperature	+60 $\pm 2$ °C
low temperature	-20 $\pm 2$ °C
duration	1 hour
changeover time	< 30 seconds
cycle	100

### HUMIDITY TEST

temperature	+20 $\pm 2$ °C
relative humidity	90~95%
duration	96 hours

### TEMPERATURE CYCLE TEST

temperature	-20°C      +60°C
duration	45 minutes      45 minutes
temperature gradient	1~3°C/min.
cycle	25

### DROP TEST

mounted with dummy set mass	100 g
height	1.5 m
cycle	6 (1 each plain) onto the concrete board

### LOAD TEST

noise signal	White noise (EIA filter)
input power	0.5W
duration	96 hours

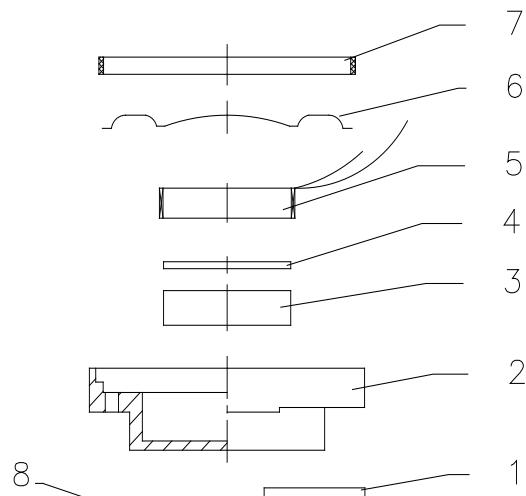
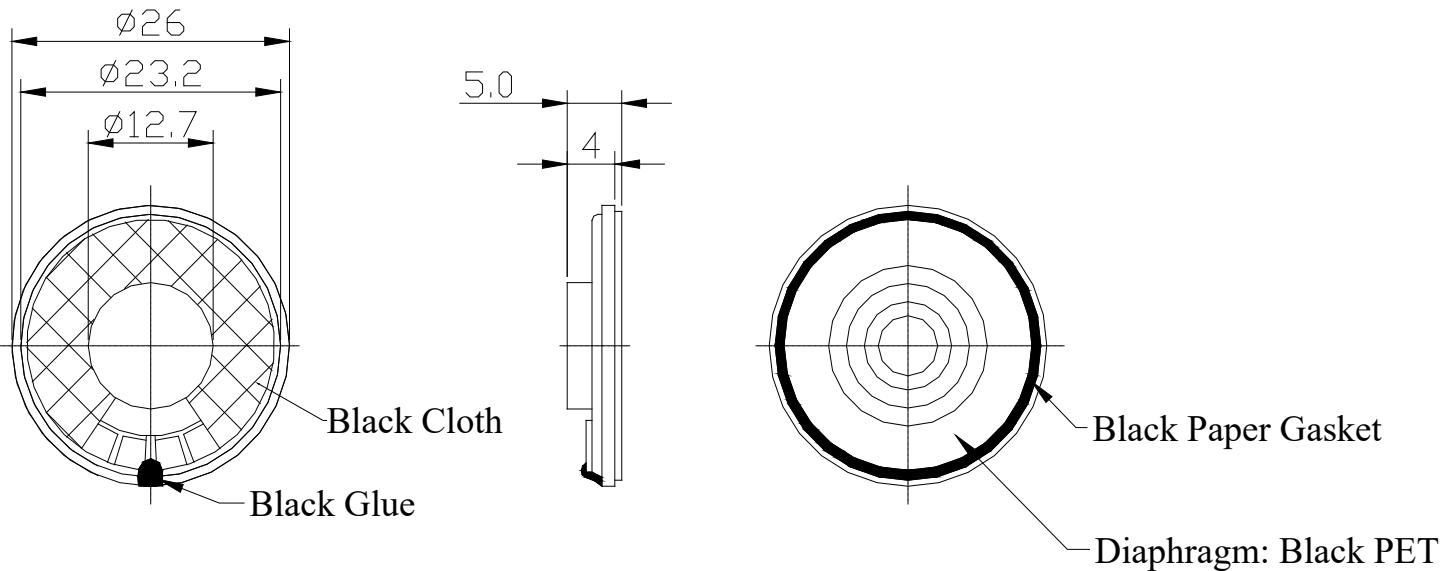


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## DIMENSIONS

Tolerance:  $\pm 0.5$  (unit: mm)



no	item	material	quantity
1	PCB	FR-4	1
2	Frame	SPCC	1
3	Main magnet	$\Phi 9.5 \times 1.5$ -N38	1
4	Plate	$\Phi 9.7 \times 0.8$ SPCC	1
5	Voice coil	Copper	1
6	Diaphragm	PET	1
7	Gasket	Black paper	1
8	Silk screen	Black cloth	1

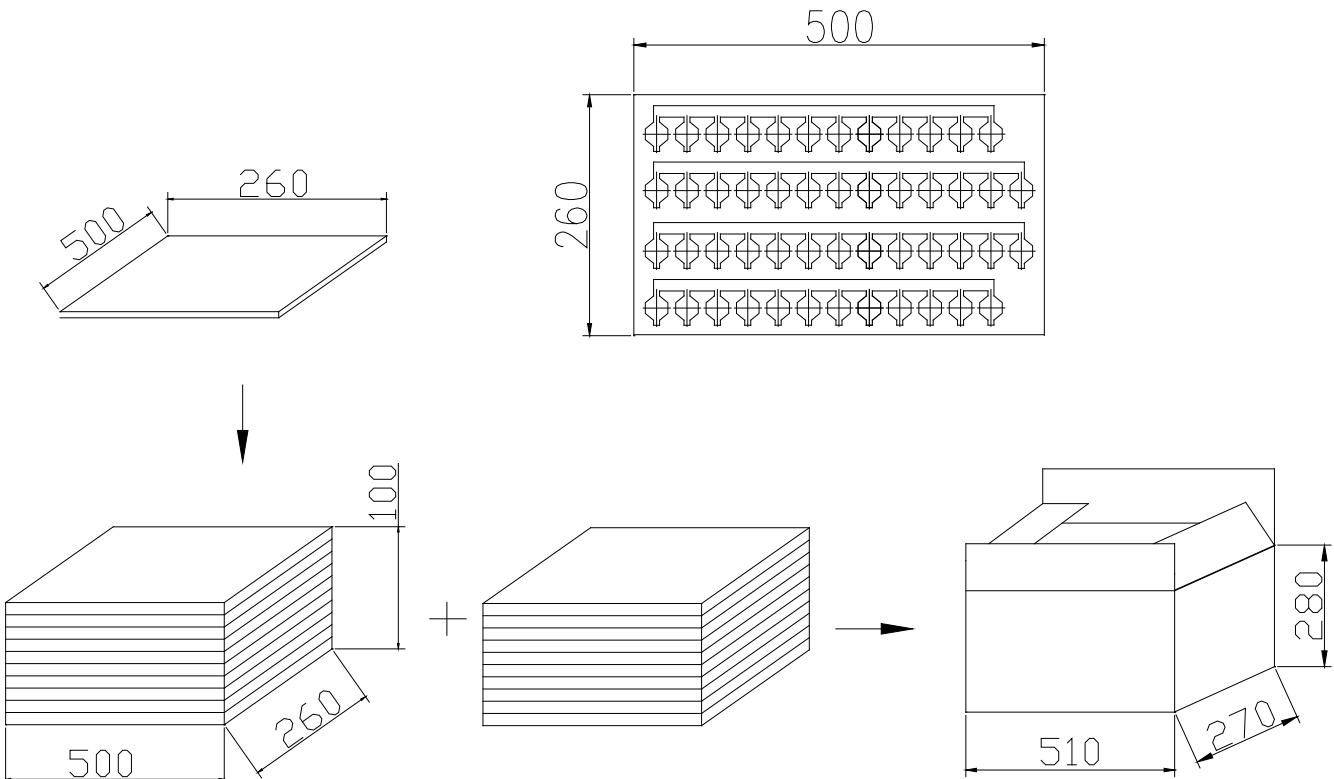


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## PACKING

TRAY 50PCS



$$50\text{PCS} \times 10 = 500\text{PCS}$$

TRAY	500X260X10mm	1X50PCS=50PCS
CARTON BOX	510X270X280mm	20X50PCS=1000PCS