

MODEL: RC-1206
PRODUCT: Dynamic Receiver
EDITION: A/2016

Soberton Inc.

THIS SPECIFICATION COVERS OUR PRODUCT OF DYNAMIC RECEIVER UNIT FOR MOBILE TELEPHONE USE

RECEIVER ELECTROACOUSTIC CHARACTERISTICS

test set up	Measuring conditions and procedures shown in Fig. 1
ac impedance	32Ω±15%(@1KHz 1V) without baffler
sound pressure level	110±3dB SPL @1.0KHz Sine Wave 179mV with IEC318(0dB SPL=20μPa)
measuring condition	1mW (Sine wave) with baffler shown in Fig.1
frequency response curve	As shown in Fig. 2
rated noise power	10mW normal at a white noise (10mW,200-3.4KHz) for one minute
short term max power	20mW
operation test	Must be free of audible noise (buzzes and rattles) (200 ~ 3.4KHz frequency range ,input level up to 0.56Vrms)
distortion	Less than 10% @1KHz 179mV
dimension	12 x 6 x 3 mm

GENERAL SPECIFICATIONS

operating temperature range		-20°C ~+60°C
standard test conditions		
	temperature	17°C ~25°C
	relative humidity	45%~80%(RH)

RELIABILITY TESTS

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

HIGH TEMPERATURE TEST	
high temperature	+60±2°C
duration	96 hours
LOW TEMPERATURE TEST	
low temperature	-30±2°C
duration	96 hours
HEAT SHOCK TEST	
high temperature	+60±2°C
low temperature	-30±2°C
changeover time	<30 seconds
duration	1 hour
cycle	100

RELIABILITY TESTS (Continued)

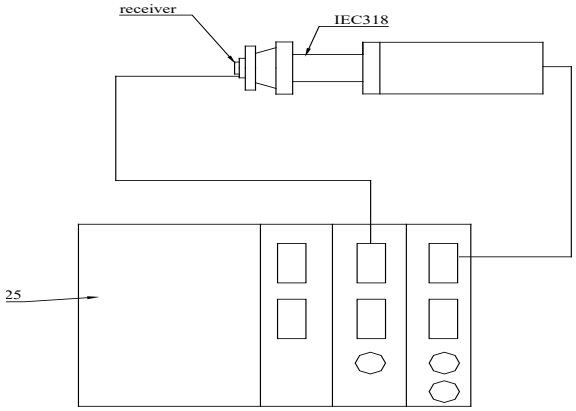
HUMIDITY TEST	
temperature	+ 40±2°C
relative humidity	90%~95%
duration	96 hours
TEMPERATURE CYCLE TEST	
temperature	-20°C +60°C
duration	45minutes 45minutes
temperature gradient	1~3°C/min
cycle	25
DROP TEST	
mounted with dummy set mass	100 g
height	1.5 m
cycle	6(1 each plain) Onto the concrete board
LOAD TEST	
Speaker mode	white noise (EIA filter)for 96 hour@10mW input power

MEASURING METHOD (SPEAKER MODE)

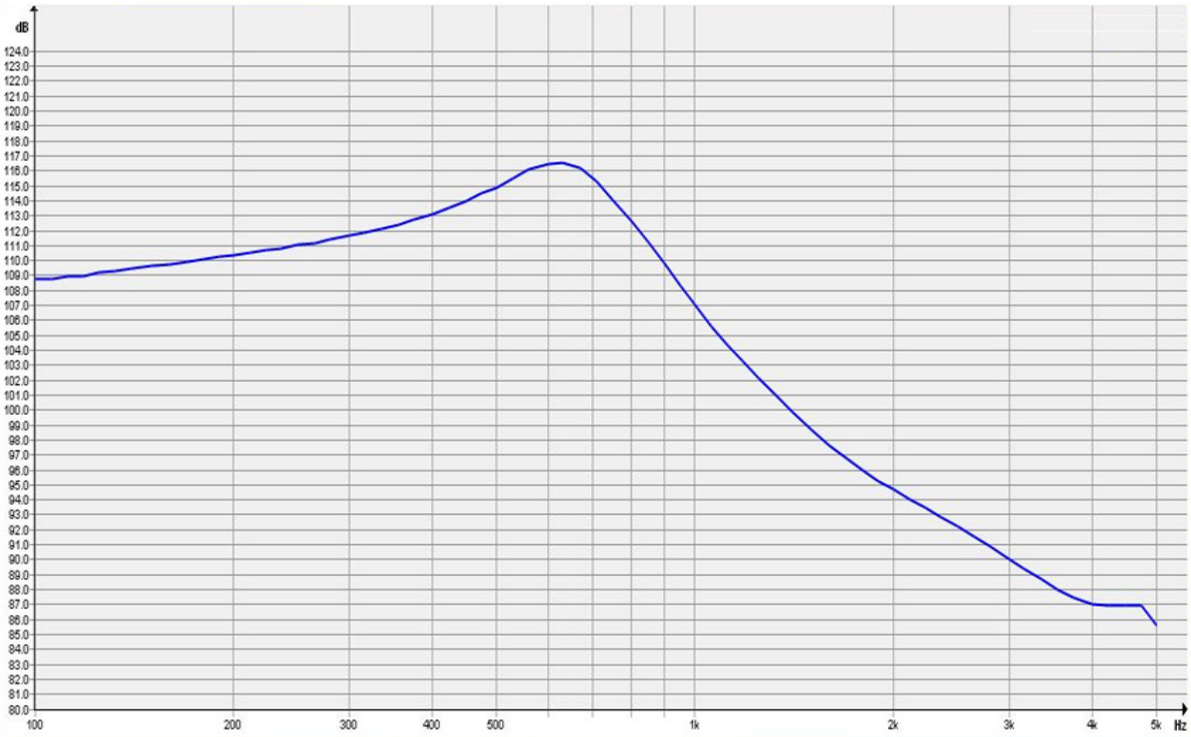
STANDARD

TEST CONDITION	
temperature	15 ~ 35°C
relative humidity	45% ~ 85%
atmospheric pressure	860mbar to 1060mbar
STANDARD TEST FIXTURE	
input power	179mW
zero level	-dB
mode	TSR
potentiometer range	50dB
sweep time	0.2sec

MEASURING CONDITIONS (Fig. 1)

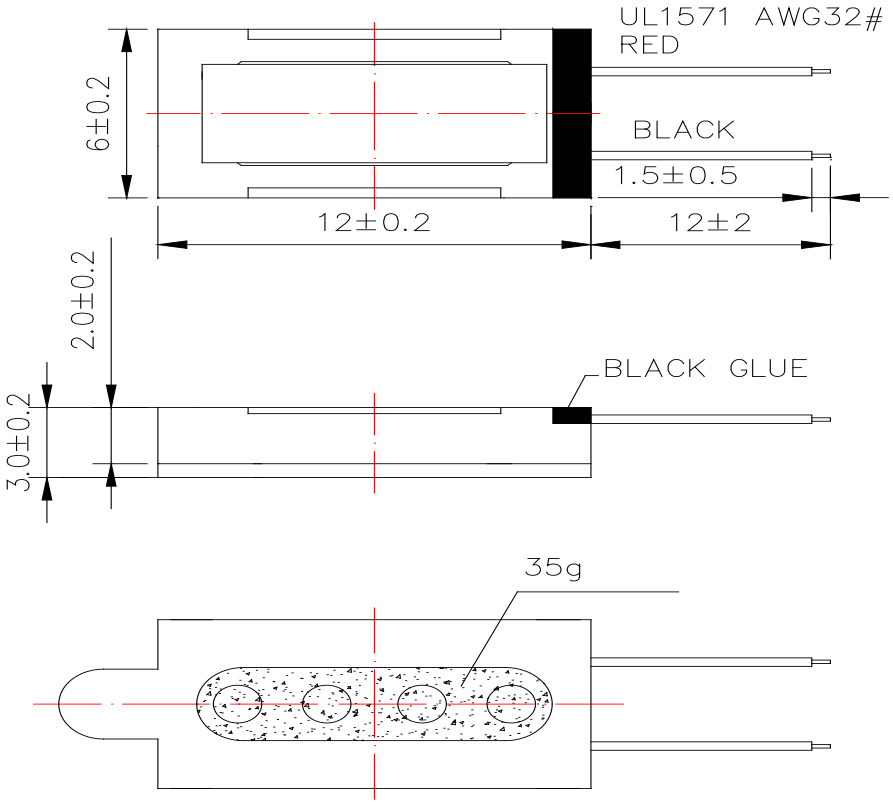


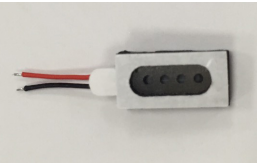
FREQUENCY RESPONSE CURVE (Fig. 2)



DIMENSIONS

Tolerance:±0.5 (unit: mm)

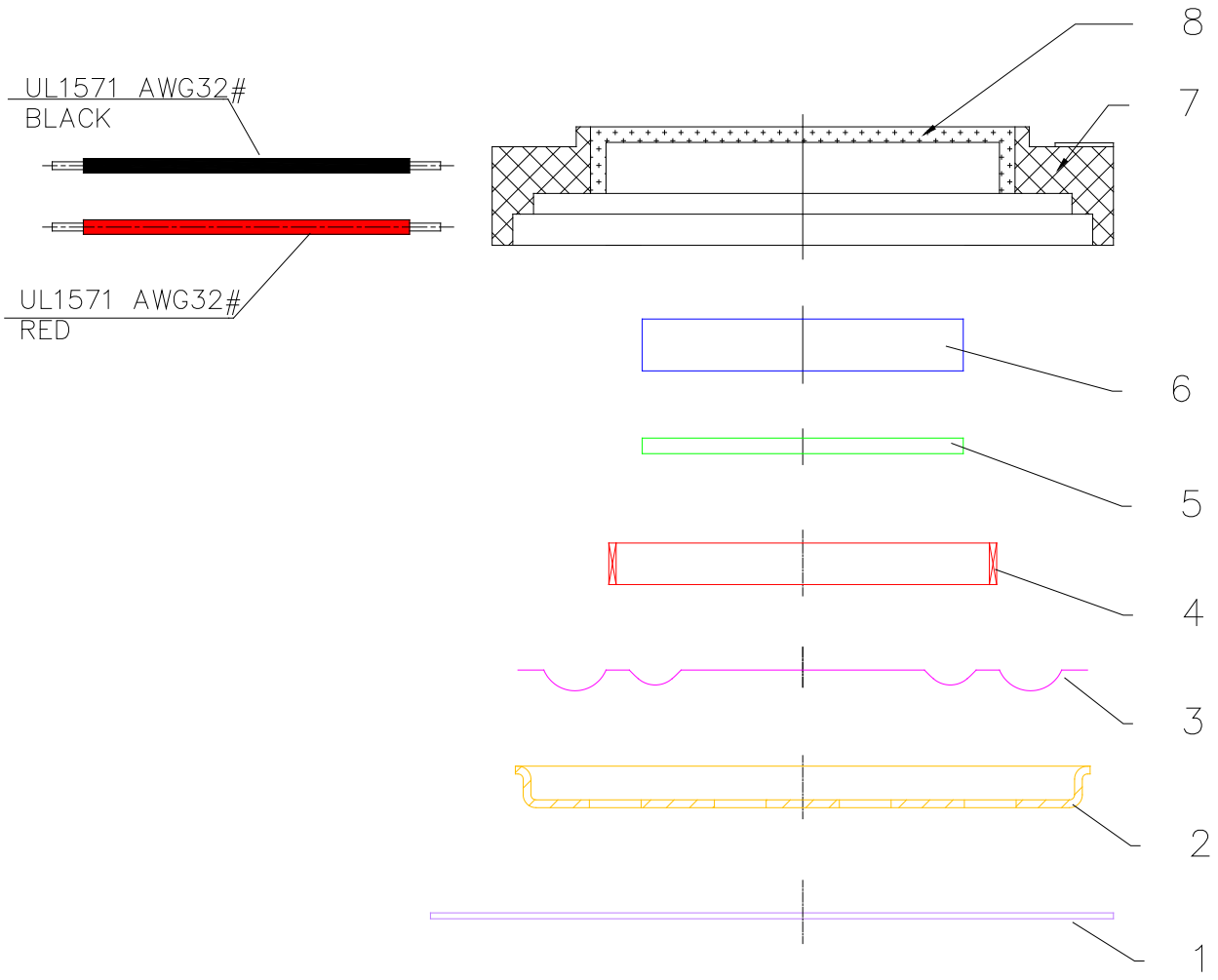




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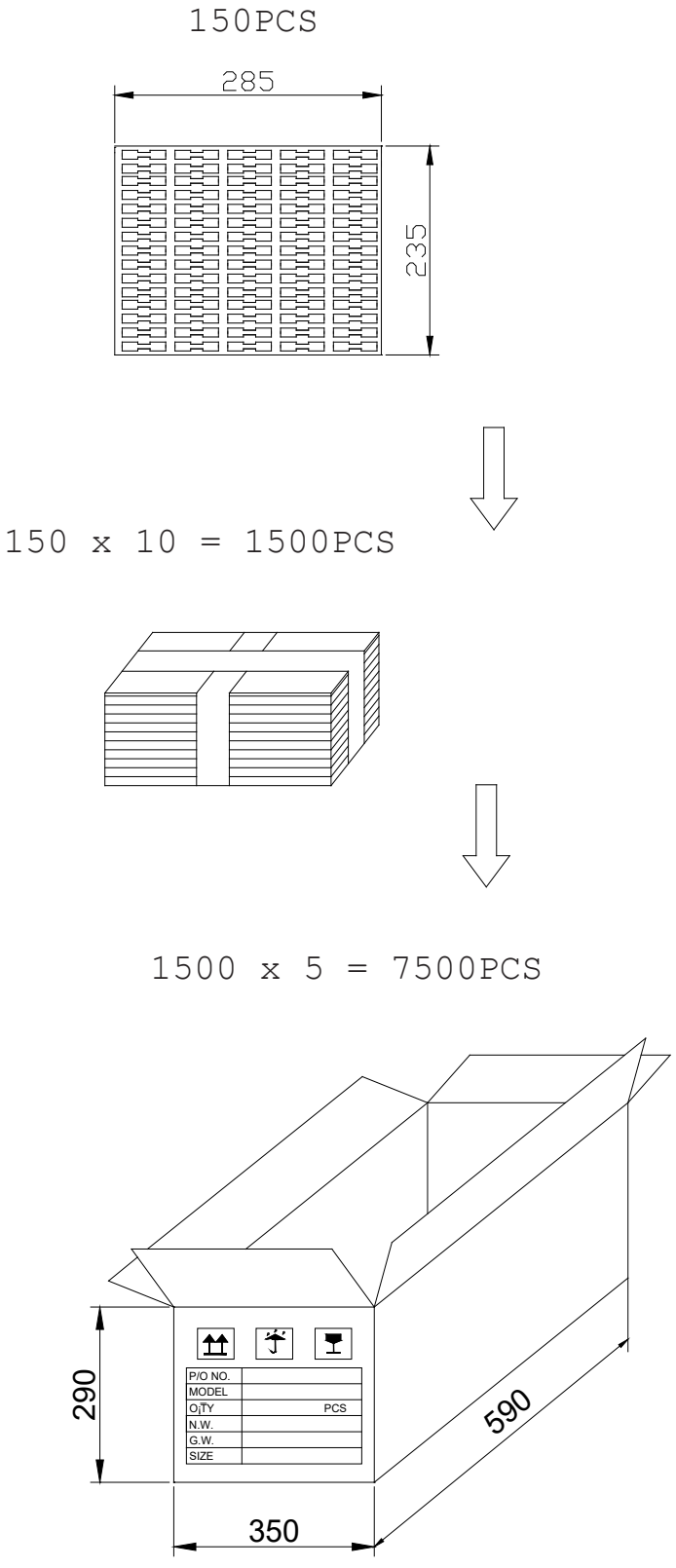
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EXPLODED VIEW



no.	part name	material	quantity
1	Cap	SUS 304	1
2	Diaphragm	PEI	1
3	Voice Coil	Copper wire	1
4	Plate	SPCC	1
5	Magnet	Nd Fe B	1
6	Frame	PBT	1
7	Yoke	Spce	1
8	Black Wire	UL1571 / AWG32	1
9	Red Wire	UL1571 /AWG32	1

PACKING


150PCS
285
235
150 x 10 = 1500PCS
1500 x 5 = 7500PCS
290
590
350
P/O NO.
MODEL
QTY
PCS
N.W.
G.W.
SIZE