

SPECIFICATION

FOR

APPROVAL

Customer : _____

Description : _____ Dynamic Receiver

Universal Model No. : _____ UGRP35150-01C125-02

Customer's Model No. : _____

ISSUE	CHECK	APPROVAL	CUSTOMER
Tan Qianfeng 03/08/22	Tang Helin 03/08/22	Tang Helin 03/08/22	



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1. ELECTRICAL AND ACOUSTICAL SPECIFICATION

(RECEIVER MODE)

	Item	Specifications
1-1	Dimension	$\phi 34.8 \times 17.8t$
1-2	Rated Input Power	10mW
1-3	Max Input Power	20mW
1-4	Rated Impedance	$150 \pm 15\% \Omega$ /1KHz/1V
1-5	Resonance Frequency(f0)	----- Hz/1V
1-6	Sound Pressure Level	$98 \pm 2dB$ at 1KHz with IEC318 coupler,60mV
1-7	Frequency Range	300HZ ~ 3400Hz
1-8	Total Harmonic Distortion	5%MAX. at 1KHz, 10mW
1-9	Flux Density	T
1-10	Polarity	When a positive DC Current is applied to the voice coil terminal marked +or red ,the diaphragm shall move forward
1-11	Operation Test	Must be normal at sine wave and program source 10mW.
1-12	Buzz,Rattle,etc.	Should not be audible at 10mW sine wave between (300Hz ~ 3400Hz)
1-13	Weight	31g
1-14	Voice Coil Diameter	$\phi 10.4$ mm
1-15	Magnet (nd)	$\phi 25.5 \times \phi 12.5 \times 5$ mm
1-16	Appearance	Should not exist any obstacle to be harmful to normal operation;damages,cracks,rusts and distortions,etc.

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2.ENVIRONMENTAL TEST

	Item	Specifications
2-1	High temp. Test	Keep 96 hours at $+60^{\circ}\text{C} \pm 3^{\circ}\text{C}$ and leave 3 hours in normal temperature and then check
2-2	Low temp. Test	Keep 96 hours at $-30^{\circ}\text{C} \pm 3^{\circ}\text{C}$ and leave 3 hours in normal temperature and then check
2-3	Humidity test	Keep 96 hours at $+40^{\circ}\text{C} \pm 3^{\circ}\text{C}$ relative humidity 95% and leave 3 hours in normal temperature and then checked.
2-4	Thermal cycle test.	Low temperature: $-30^{\circ}\text{C} \pm 3^{\circ}\text{C}$, temperature: $+60^{\circ}\text{C} \pm 3^{\circ}\text{C}$, cycle: 1 hour/cycle each, and then keep 5 cycles in a room.
2-5	Vibration	10~55~10Hz sin-wave sweep 15min. 5G(constant) X,Y, Z 3 direction. 2 hours each, total 6 hours.
2-6	Drop test	Free drop a unit from 100cm height to a board of 20mm thick x,y, z 6 direction. 1 times each, total 6 times.
2-7	Load test	Rated Power white noise is applied for 96 hours
2-8	Max Power test	Max power 1 min on – 2 min off 10 cycles.
2-9	Terminal strength test	Capable of withstand 1kg load for 15seconds without resulting in any damage or rejection.

PASS CRITERION :

After these test , the change of S.P.L shall be within ± 3 dB .

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3.MEASURING METHOD

3-1 .Test Condition

STANDARD

Temperature : 15 ~ 35℃

Relative humidity : 45% ~ 85%,

Atmospheric pressure : 860mbar to 1060mbar.

JUDGEMENT

Temperature : 20±3℃

Relative humidity : 60% ~ 70%,

Atmospheric pressure : 860mbar to 1060mbar

3-2 . Standard Test Fixture

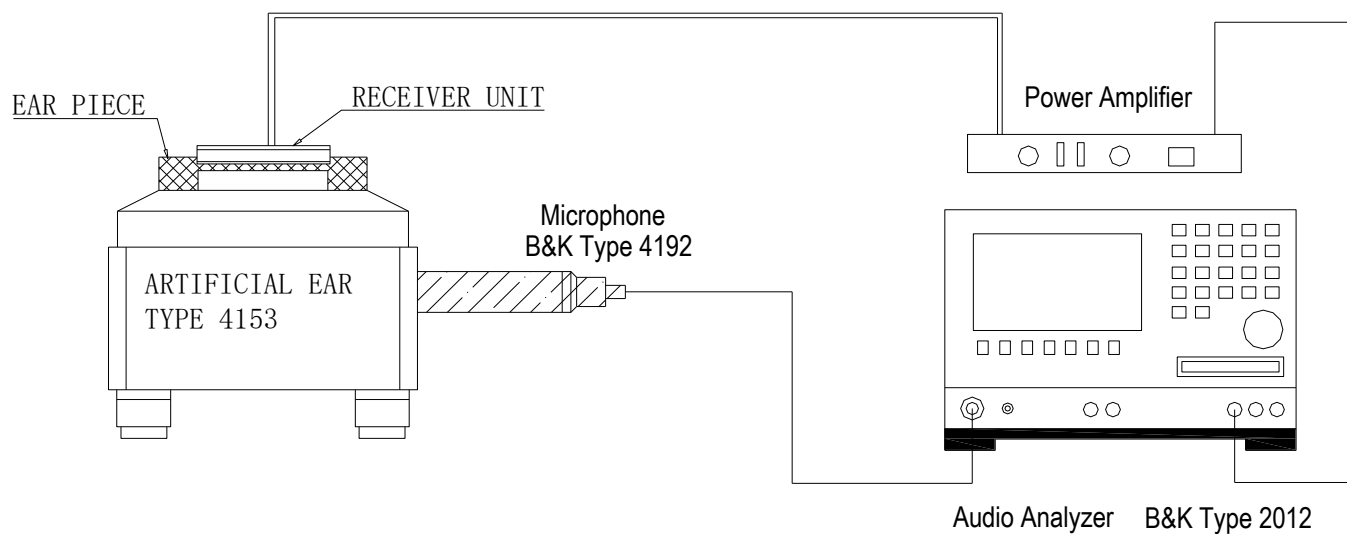
1.Input Power : 60mV

2.Zero Level : -dB

3.Mode : TSR

4.potentiometer Range : 50dB

5.Sweep Time : 0.5sec



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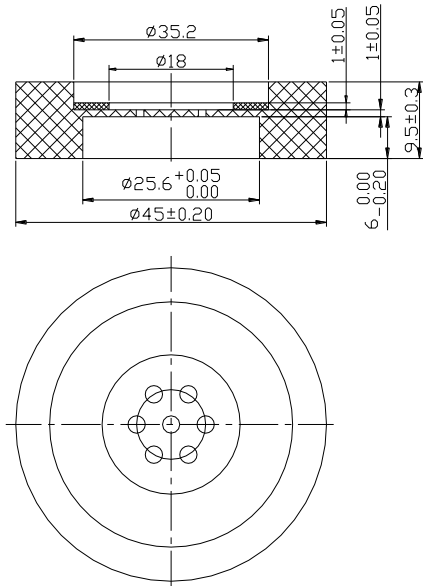
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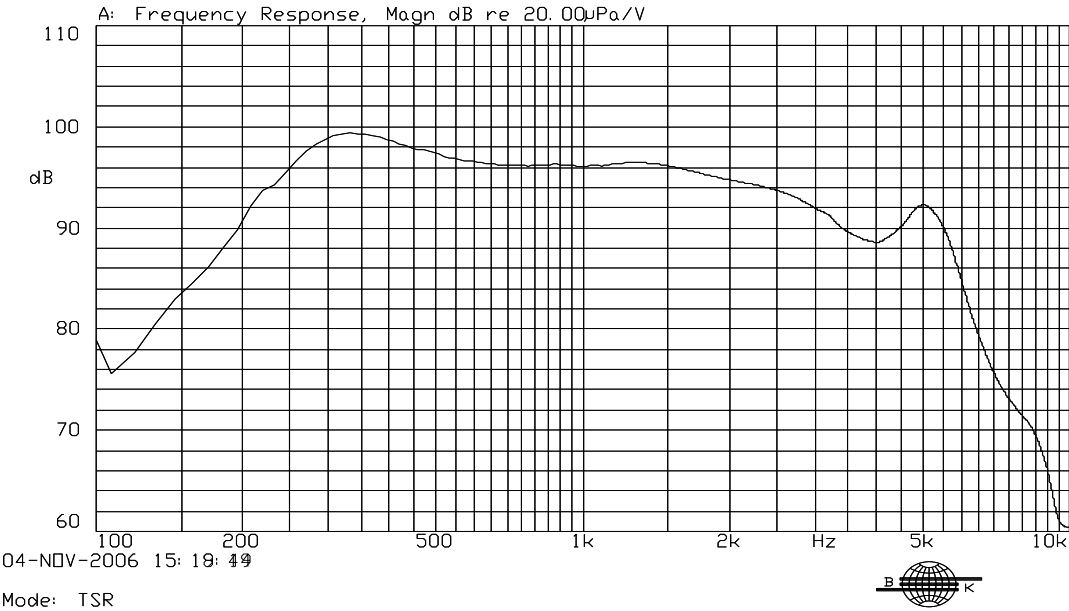
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4.EAR PIECE



5.FREQUENCY RESPONSE CURVE

UGRP35150-01C 60mV

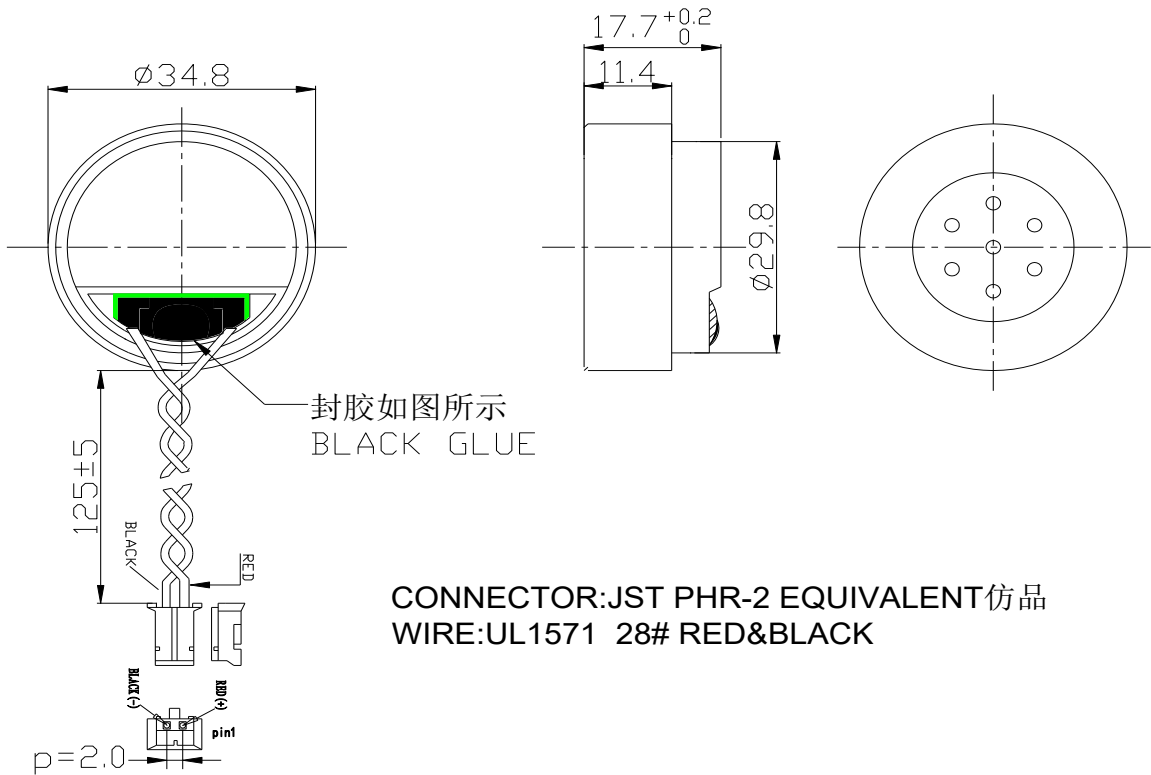


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6.DIMENSIONS

Unless otherwise specified,tolerance:±0.5 (unit:mm)



CONNECTOR:JST PHR-2 EQUIVALENT仿品
WIRE:UL1571 28# RED&BLACK

6	Back Cover	1	ABS	GU-001
5	Front Cover	1	ABS	GU-001
4	PCB	1	FR4	GU-001
3	Voice coil	1	Self-bonding wire	GU-001
2	Diaphragm	1		GU-001
1	Frame	1	T-Yoke+Plate+magnet+ABS	GU-001
PART NO.	PART NAME	Q'TY	MATERIAL	REMARK

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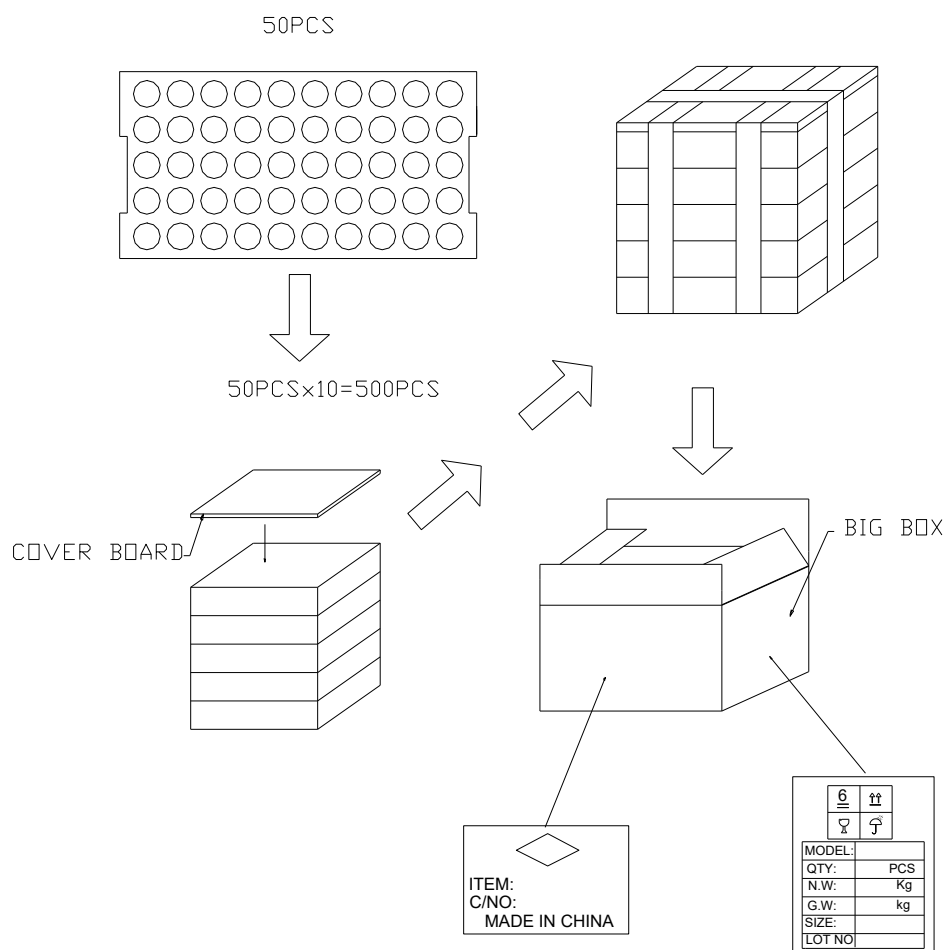
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7.PACKING



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