

MESSRS.

SPECIFICATION FOR APPROVAL
承 认 书

PRODUCT	WATERPROOF TYPE RECEIVER
PART NO.	HDR-120632ZA-11W (ROHS)
CUSTOMER	
CUSTOMER PART NO.	

APPROVED BY	CHECKED BY	MADE BY
王台平 MAR-27-2020	曹丽萍 MAR-27-2020	LILY MAR-27-2020

常州华龙电子有限公司
DRAGONSTATE ELECTRONIC CORPORATION

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1. Specification

HDR-120632ZA-11W (RoHS)

ITEMS.		SPECIFICATIONS
01	Type	Dynamic 12 x 6mm receiver unit
02	Sensitivity (S.P.L)	112dB ±3 dB at 1kHz 180mV with IEC 318 coupler
03	Impedance.	32 Ohm ±15% at 1KHz
	DC RESISTANCE	28 Ohm ±15%
04	Magnet Field Intensity.	Axial – dB , Radial –dB at 1KHz
05	Nominal Input Power	20mW
06	Max. Input Power.	Must be normal at a white noise , 40mW for 1 minute.
07	Total Harmonics Distortion	Max 10 % at 1K Hz.
08	Dustproof And Waterproof	IP68
09	Operation temperature	-30°C to +70°C
10	Storage temperature	-40°C to +80°C
11	Weight.	0.5g ±5%

2. Measuring Method

2-1. Test Condition

Standard

Temperature : 15 ~ 35°C

Relative humidity : 45% ~ 85%,

Atmospheric pressure : 860mbar to 1060mbar.

Judgement

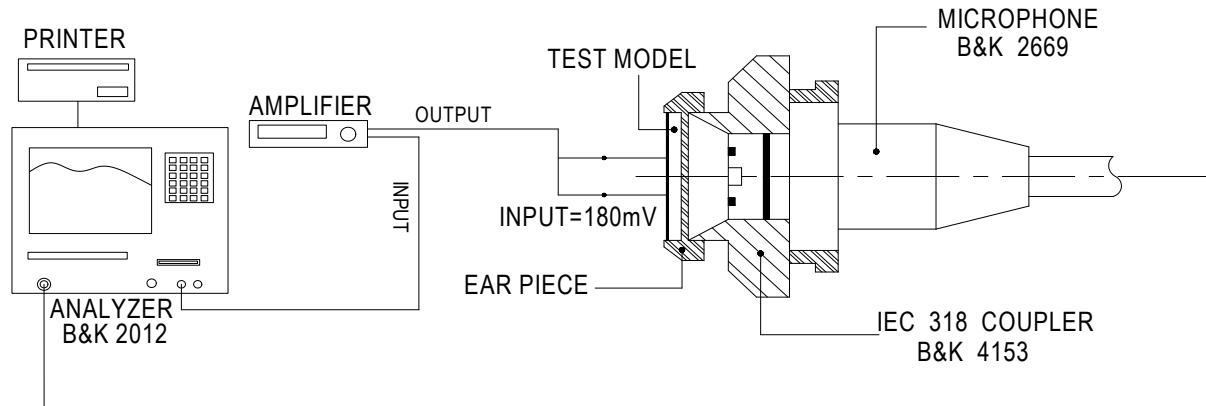
Temperature : 20±3°C

Relative humidity : 60% ~ 70%,

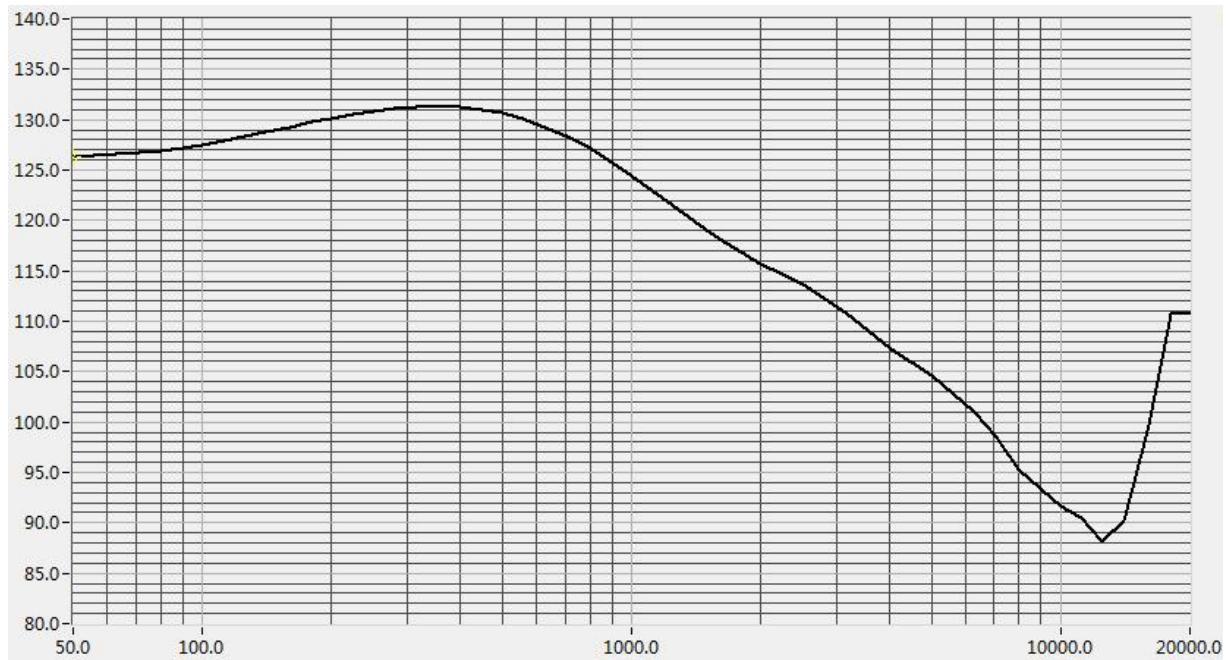
Atmospheric pressure : 860mbar to 1060mbar

2-2. Standard Test Fixture

Input signal : 180mV



2.3 Frequency Response Curve



3. Dimension

REV NO. REVISION NOTE APPROVAL DATE

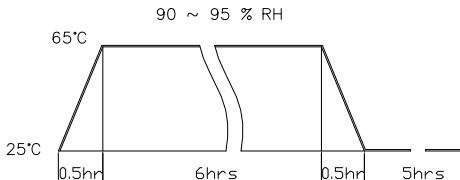
Case: PBT
 Diaphrgm: MYLAR
 Wire: UL1571 AWG30

TITLE: DYNAMIC RECEIVER		DRAWN: Lily 2020/03/27	SCALE: 4/1	SHEET: 1 OF 1
PART NO. HDR-120632ZA-11W		DESIGNED: R&D OF D.S.	UNITS: mm	
DWG NO. DTE-3718		CHECKED: Emily	TOLERANCE: ± 0.5	
		APPROVAL: Eric	UNLESS OTHERWISE SPECIFIED:	
1	REV	MATERIAL: PBT	ONE PLACE DECIMAL ± ***	
			TWO PLACE DECIMAL ± ***	
			THREE PLACE DECIMAL ± ***	

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4. Reliability Test

ITEMS.		SPECIFICATIONS
01	High temp. Test	Keep 96 hours at $+70^{\circ}\text{C} \pm 3^{\circ}\text{C}$ and leave 3 hours in normal temperature and then check
02	Low temp. Test	Keep 96 hours at $-20^{\circ}\text{C} \pm 3^{\circ}\text{C}$ and leave 3 hours in normal temperature and then check
03	Humidity test	Keep 96 hours at $+40^{\circ}\text{C} \pm 3^{\circ}\text{C}$ relative humidity 90% and leave 3 hours in normal temperature and then checked.
04	Temp./humidity cycle	The part shall be subjected 5 cycles. One cycle shall be 12 hours and consist of; 
05	Thermal Cycle Test.	Low temperature: $-40^{\circ}\text{C} \pm 3^{\circ}\text{C}$, temperature: $+70^{\circ}\text{C} \pm 3^{\circ}\text{C}$, cycle: 1 hour/cycle each, and then keep 5 cycles in a room.
06	Vibration	10~200~10Hz Sin-Wave Sweep 15min. 5G(Constant) X, Y, Z 3 direction. 2 hours each, total 6 hours.
07	Fix Drop test	Fix on Jig. then drop from 152cm height to the concrete floor X, Y, Z 6 direction. 5 times each, total 30 times.
08	Free Drop test	Free drop from 100cm height to the concrete floor X, y, z 6 direction. 1 times each, total 6 times.
09	Load test	Rated power white noise is applied for 96 hours
10	Protection against liquids	Protected against 30 Minutes of immersion under 1.5M pressure Product without leakage
11	Max Power test	Max Power 1 min on – 2 min off 10 cycles.

Soldering Condition

Recommend using constant branding iron in **30W**, and in temperature range **$350 \pm 10^{\circ}\text{C}$** .
 Soldering time **2** seconds.

5.Packing

