

超声雾化换能片规格书

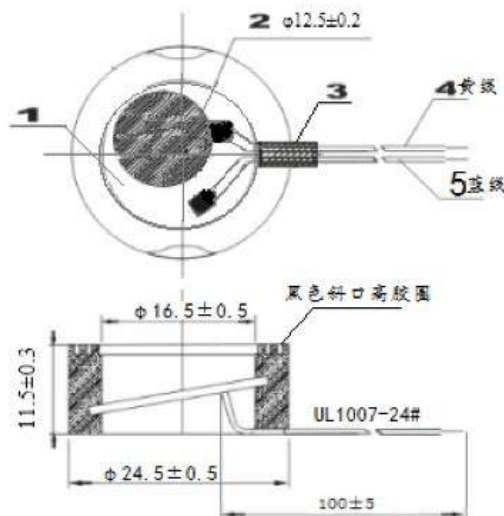
Ultrasonic Atomizing Transducer Specification

1. 产品名称 (Product name): JHB20-17A2082

2. 技术参数 (Technical parameters)

序号 No.	项目 Item	标准 Standard	测试条件 Test conditions
1	谐振频率 Thick resonant frequency Fr	1700±100Khz	HP5100 Network Analyzer
2	谐振阻抗 Resonant impedance Zr	≤2	HP5100 Network Analyzer
3	机电耦合系数 Kt Electrical-mechanical coupling coefficient	Min:45%	HP5100 (Fs3/Fs1)
4	电 容 Capacitance	1800±20%PF	YD2166A Capacitance sorter /1KHz
5	介电损耗 Dielectric loss	Max:2%	YD2166A Capacitance sorter /1KHz
6	工作电压 Working volt	80-110Vp-p	/
7	水 质 Water quality	drinking water	/
8	水 温 Water temperature	20-50°C	/
9	水 位 Water level	25-40mm	/
10	电极材料 Electrode material	Ag	/
11	电极保护 Electrode protective material	glass glaze	/
12	焊线拉力 Welding Tension	Min 20N	The tensile force along the lead wire direction not exceeding 30 degrees shall not be less than 20N
13	寿命 (Life time)		Under the conditions of fixed water quality, water temperature and water level, driven by standard power, the fog volume is no more than 20% after accumulating 5000 hours of work
14	胶圈 Rubber Case		Black

3. 外形尺寸(Appearance and dimensions) Unit: mm



No.	Qty	Description
1	1	Transducer non-electrode area
2	1	Transducer electrode area
3	1	Fiberglass Tube
4	1	1007-24# Cable -yellow
5	1	1007-24# Cable -Blue

4. 包装 (Package)

PCS/TRAY	PCS/CTN	TRAY(MM)	CARTON (MM)	G.W. (kg)
80	2000	135*140*35	275*340*260	15.00

5. 雾化片上标识说明 Marks Instructions on the Ultrasonic Atomizing Transducer

第一行: "JYD"代表公司;

Line 1: "JYD" stands for company Name

第二行: 第 1 位数表示年份;

Line 2: The first digit indicates the year;

第 2、3 位数表示周数;

The 2nd and 3rd digits indicate the week number;

第 4 位数表示星期几;

The 4th digit indicates the day of the week;

For example, "2053" means Wednesday in the 5th week of 2022.

5. 雾化片釉面说明:

同一片雾化片釉面上 0.3mm<直径<0.5mm 的黑点不能超过 2 个, <0.1mm 的小黑点忽略不计, 但不能大量集中在一个区域。

About the glaze surface: there can be no more than 2 black spots of 0.3mm<diameter<0.5mm on the glaze of the same atomizing transducer, and the small black spots <0.1mm are negligible, but cannot be concentrated in one area.

6. 雾化片使用说明 Instructions for use of atomizing transducer

6-1 釉面底层电极与水液中任意位置不能存在电位差, 否则长时间使用会因电腐蚀产生黑点。

There should be no potential difference between the bottom electrode of the glaze and any position in the water, otherwise black spots will be produced due to electrical corrosion after long-term use.

6-2 雾化片干烧会造成压电性能衰减影响雾化量, 严重会出现不出雾。

Dry burning of the atomizer will cause the piezoelectric performance to decay and affect the atomization volume, and in severe cases, no atomization will occur.

6-3 雾化片工作时要定期清洗釉面, 水垢太多会影响雾化量。

When the atomizing transducer works, the glaze surface should be cleaned regularly, too much scale will affect the amount of atomization.

7. 导线、焊锡丝、橡胶圈等所有物料符合环保要求, 压电陶瓷中的铅含量是豁免的。

All materials such as wires, solder wires, rubber rings, etc. meet environmental protection requirements, and the lead content in piezoelectric ceramics is exempted.

8. 命名规则 Naming Rules:

JH	雾化换能片 Ultrasonic Atomizing Transducer
B	电极保护体为玻璃釉 the Electrode protective material is glass glaze
20	雾化换能片直径为 20 毫米 Atomizing Transducer's Diameter 20mm
17	谐振频率为 1700KHz Atomizing Transducer's Frequency 1700Khz
A	焊线 Wire soldering
2082	识别的特征属性为: 为 $\phi 12.5\text{mm}$ 偏心球拍电极, UL1007-24#黄蓝线长 $100\pm 5\text{mm}$, 套管长 20mm, 装配黑色斜口高硅胶圈。 Identification code: Electrode Shape $\phi 12.5\text{mm}$, Wire:UL1007-AWG24 Yellow and Blue, Length: $100\pm 5\text{mm}$, Fiberglass Tube length 20mm, Black bevel high Rubber case