

# Ultrasonic Transducer Specification

## 超声波压电换能片规格书

1. 产品型号 (Product Model): JYHBT-OD36.83 -200K
2. 外形尺寸 (Appearance Size):  $\Phi 36.83\text{mm}$
3. 材 质 (Ceramic Material): YH-BT
4. 电性能参数 (Electrical specification):

序号 No.	项目 Item	标准值 Standard Value
1	谐振频率(Fr) Resonant frequency(Khz)	200±4
2	谐振阻抗 (R) Resonant impedance ( $\Omega$ )	<10
3	静态电容 CT Static Capacitance (pF)	750-1000
4	带宽 ( $\Delta f$ ) bandwidth (khz)	≥8.5
5	Qm 值 Qm Value	1200
6	压电常数 D33 (pc/N)	≥140

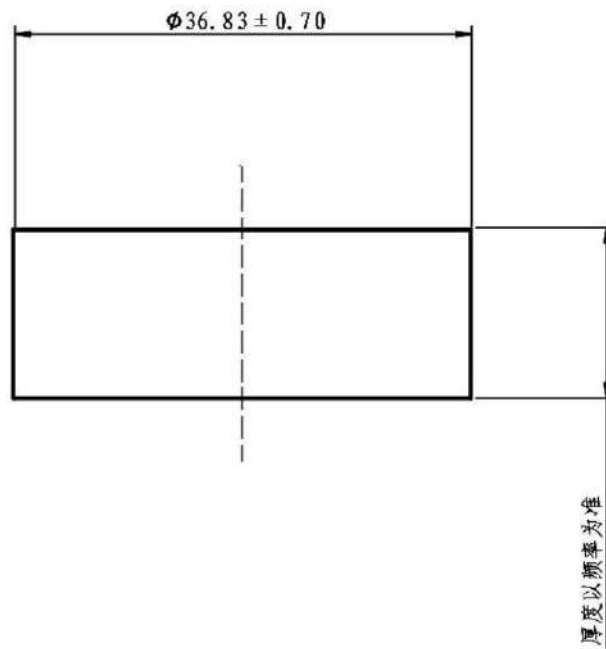
\*极化十天后测试 (The product is tested aging in 10days.)

\*上下两面均匀被银, “+”正极标识 (Full Electrode, + Positive Electrode )

\*银层拉力≥35N(Silver Layer Pulling ≥35N)

5. 尺寸和外观 (Dimension and Appearance) , Unit(mm)

1) 外观尺寸(Dimensions)



## 2) 外观要求 (Appearance Requirements)

## ① 电极面上无明显显露、磨损和划伤

There is no obvious ceramic revealed, abrasion or scratches on the electrode surface.

## ② 无缺瓷、崩边和裂纹等损伤

The ceramic disc looks complete without crack

## 6. 检验规则 (Inspection regulation)

检验分为鉴定检验和质量一致性检验，参考 GB/T15 156-2015 (压电陶瓷换能元件总规范) 的有关要求执行。

There are two kinds of Inspections, one is appraisal and one is inspection of quality conformity, referred to GB/T15 156-2015 the relevant requirements of Piezoelectric Ultrasonic Transducers General Specifications.

## 7. 包装 (Package)

产品用定制减震材料板包装，密封固定后装入包装箱，箱内空隙处应用气泡膜填充。

The products are packed with the vibration-absorptive materials, sealed and packed into the outside carton. The space in the carton is filled with the Bubble film.

## 8. 质量条款 (Quality Terms)

## ① 每批产品交付时应有承制单位签发的合格证和性能测试报告。

The products for each lot have the testing report and the certificate issued.

## ② 产品的技术状态确定后，若有更改须通知本有限公司。

The product electronic performance is confirmed, so any change should inform us