

Ultrasonic Transducer Specification

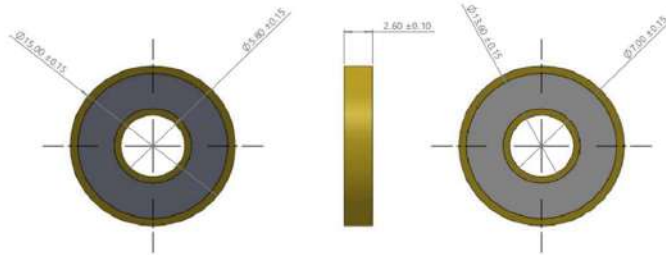
超声波压电换能片规格书

1. 产品型号 (Product Model): JYBC-P4-15-5.8-2.6
2. 外形尺寸 (Appearance Size): $\Phi 15 \times \Phi 5.8 \times 2.60 \text{mm}$
3. 材 质 (Ceramic Material): PZT44
4. 电性能参数 (Electrical specification):

序号 No.	项 目 Items	单 位 Unit	数 值 Standard
1	径向谐振频率 Radial Resonant frequency(fs)	KHz	106±1.5
2	径向谐振阻抗 Radial Resonant impedance(Ro)	Ω	≤50
3	厚度谐振频率 Thickness Resonant frequency(fs)	KHz	760±10
4	介电损耗 dielectric loss(tanδ)	%	≤0.5
5	静态容量 Capacitance(Cp)	pF	700±15%
6	机械品质因数 (Qm) Mechanical quality factor	--	800
7	压电应变常数 (d33) Piezoelectric strain constant	$\times 10^{-12} \text{C/N}$	>320
8	居里温度 Curie temperature(Tc)	°C	300
9	密度 Density(p)	kg/m^3	7650
10	产品单重 Weight	g	3±0.1

Note: 1) Test environment :Temp 25°C±3°C; humidity: ≤40%RH
 2) Measured by TH-2818 Impedance Analyzer
 3) Insulation resistance tester 312
 4) Storage temperature: -5°C ~ 40°C

5. 外观要求 Appearance Requirements
 - 5.1 外形尺寸 Dimension ,Unit(mm)



6. 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

7. 包装信息

