

产 品 规 格 书

Production Specification

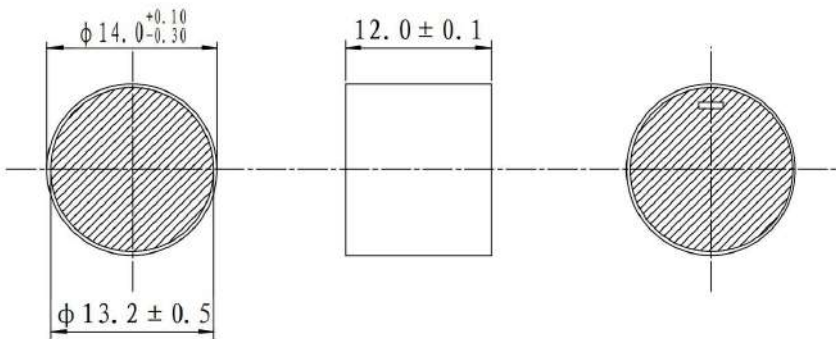
1. 产品型号(Part Number): JYGT-P4-D14X12
2. 产品名称(Product Name) : Piezo Elements—Ceramic Cylinder
3. 陶瓷材料(Ceramic Powder): PZT4
4. 图纸编号(Drawing Number): JYGT-YX-20250613
5. 产品参数 (Electronic Parameters)

No.	项目 Technical Items	Standard Value
1	径向谐振频率 Radial Resonant Frequency(Khz)	105±10%
2	厚向谐振频率 Thickness Resonant Frequency (KHZ)	125±10%
3	厚向谐振阻抗 Resonance Impedance Thickness(Ω)	≤60
4	自由电容 Free Capacitance(pF)	180pf±20%
5	压电应变常数 Piezoelectric strain constant (d33)	≥320
6	机电耦合系数 Electromechanical Coupling coefficient(Kp)	≥0.6
7	机械品质因数 Mechanical quality factor(Qm)	≥200
8	介电损耗 dielectric loss(tanδ)	≤5%
9	瓷片厚度 Ceramic Cylinder thickness (mm)	12±0.1
10	瓷片直径 Ceramic Cylinder Diameter (mm)	14+0.1/-0.3
11	单片重量 Ceramic Cylinder Weight (g)	14.1±0.1

Test environment :Temp 20℃±2℃; humidity: ≤40%RH

6. 外观图纸 Appearance Requirements

6.1 外形尺寸 Dimension ,Unit(mm) Dimension



6.2 外观要求(Appearance Requirements)

银电极表面要求：光滑平整无明显磨损和划伤

Silver electrode surface requirements: Smooth and flat without obvious wear and scratches

7. 包装信息(Package information)

片/箱 pcs Qty/CTN	泡沫盘 CM) Tray Size	纸箱 (CM) CTN Size	毛重 (kg) GW	净重 (kg) NW
1120	30.5X24.5X2.8	31.5X27.5X22	16.6	15.8