

Ultrasonic Transducer Specification

1. Scope

This specification covers the piezoelectric ceramic transducer for cleaning.

2. Part Number: JYSTC-4SS-1550

3. Electronic Performance

Item	Standard
谐振频率 Resonant Frequency (Fr)	48~52KHz
谐振阻抗 Resonant Resistance (Ro)	Max.100Ω
静态电容 Static Capacitance (Cp)	2750pF±10%
带宽 Bandwidth(Δf)	$\Delta f \geq 1.0$ KHz
绝缘电阻 Insulation Resistance (R)	$\geq 500M\Omega$
最大输入电压 Max. Input Voltage	200Vp-p
工作功率 Operating Power	15W
最大功率 Maximum Power	20W
工作时长 Long Work Time	3000hours

4. Test Procedure

4.1 Test Atmosphere : $23 \pm 3^{\circ}\text{C}$ 40 ~ 70%RH.

4.2 Fr and Ro : The HP-4194 Impedance Analyzer.

4.3 Cp : LCR meter at 1kHz, 1Vrms

5. Appearance and Dimensions

