



Technical requirements: (25° C ± 1° C, 1KHz)

- 1, Radial resonant frequency (谐振频率) $F_s = 40 \pm 1 \text{ kHz}$
- 2, Anti resonance frequency (反谐振频率) $F_p = 43 \pm 1 \text{ kHz}$;
- 3, $\Delta f: F_p - F_s = 3 \text{ kHz}$;
- 4, Coupling Modulus (耦合系数) $K_p = 0.58$
- 5, Quality Factor (品质因数) $Q_m = 500$
- 6, Capacity C_T (电容量) $C_T: 2.4 \pm 15\% \text{ nF}$.
- 7, Thickness resonant frequency (厚向谐振频率) $F_t = 400 + 40 \text{ kHz}$
- 8, Radial resonant frequency (径向谐振频率) $F_r < 6 \text{ kHz}$

Drawn		Name	Ultrasonic Transducer	
Checked			PZT4- \varnothing 38- \varnothing 15x5T	
Approved		DWG NO.	VS23050504	UNIT
Date	2023/5/5			mm



宁波福爱斯电子有限公司