



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

- 1, Radial resonant frequency (谐振频率) $F_s = 42 \pm 1 \text{ kHz}$
- 2, Anti resonance frequency (反谐振频率) $F_p = 45 \pm 1 \text{ kHz}$;
- 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 CT (电容量) $CT = 1.77 \pm 15\% \text{ nF}$.
- 7, Thickness resonant frequency (厚向谐振频率) $F_t = 363 + 36 \text{ kHz}$
- 8, Radial resonant frequency (径向谐振频率) $F_r < 5 \text{ kHz}$

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|----------|----------|---------|--|------|
| Drawn | | Name | Ultrasonic Transducer | |
| Checked | | | PZT4- $\phi 35$ - $\phi 15 \times 5.5 \text{ T}$ | |
| Approved | | DWG NO. | VS23050506 | UNIT |
| Date | 2023/5/5 | | | mm |



宁波福爱斯电子有限公司