

PIEZO ULTRASONIC SENSOR SPECIFICATIONS

■MODEL: 14.4A01-TK017L3

■ELECTRICAL SPECIFICATION:

| | | |
|----|---|--|
| 1 | Sound Pressure Level(dB) | $\geq 95(30\text{cm}/10\text{Vrms Sine Wave}) 0\text{dB}=0.0002 \mu\text{bar}$ |
| 2 | Sensitive(dB) | $\geq -82\text{dB}/\text{v}/\mu\text{bar}$ |
| 3 | Center frequency(KHz) | $40\pm 1.0\text{KHz}$ |
| 4 | Echo Sensitivity | $\geq 600\text{mV}$ |
| 5 | Decay Time | $\leq 1.2\text{ms}$ |
| 6 | Directivity (deg) X-axis | 60 ± 10 |
| 7 | Directivity (deg) Y-axis | 60 ± 10 |
| 8 | Capacitance (pF) | $2000\pm 15\%$ |
| 9 | Allowable Maximum Input Voltage(Vp-p) | 140(40KHz) Pulse width 0.5ms, interval 20ms |
| 10 | Mean Time To Failure | 50000h |
| 11 | Operating Temperature($^{\circ}\text{C}$) | $-40\sim +80$ |
| 12 | Storage temperature($^{\circ}\text{C}$) | $-40\sim +85$ |

■APPEARANCE AND DIMENSIONS

