

PIEZO ULTRASONIC SENSOR SPECIFICATIONS

■MODEL: 14U73-TK018L23

■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)	$\geq -82\text{dB/v}/\mu\text{bar}$
3	Center frequency(KHz)	$40\pm 1.0\text{KHz}$
4	Echo Sensitivity	$\geq 35\text{mV}$
5	Decay Time	$\leq 1.1\text{ms}$
6	Directivity (deg) X-axis	125 ± 15
7	Directivity (deg) Y-axis	80 ± 15
8	Capacitance (pF)	$2300\pm 15\%$
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

