

PIEZO ULTRASONIC SENSOR SPECIFICATIONS

■MODEL: T/R40-18K0

■ELECTRICAL SPECIFICATION:

1	Sound Pressure Level(dB)	≥ 95 (30cm/10Vrms Sine Wave) 0dB=0.0002 μ bar
2	Sensitive(dB)	≥ -82 dB/v/ μ bar
3	Center frequency(KHz)	40 \pm 1.0KHz
4	Echo Sensitivity	≥ 150 mV (FIG4 SIMULATION TEST CIRCUIT)
5	Decay Time	≤ 1.3 ms (FIG4 SIMULATION TEST CIRCUIT)
6	Directivity (deg) X-axis	120 \pm 15
7	Directivity (deg) Y-axis	60 \pm 10
8	Capacitance (pF)	1800 \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($^{\circ}$ C)	-40 \sim +80
12	Storage temperature($^{\circ}$ C)	-40 \sim +85

■APPEARANCE AND DIMENSIONS

