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PIEZO ULTRASONIC SENSOR SPECIFICATIONS

■MODEL: T/R40-12C0

■ELECTRICAL SPECIFICATION:

1	Sound Pressure Level(dB)	≥95(30cm/10Vrms Sine Wave) 0dB=0.0002 μ bar
2	Sensitive(dB)	≥-82dB/v/ μ bar
3	Center frequency(KHz)	40±1.0KHz
4	Echo Sensitivity	≥150mV (FIG4 SIMULATION TEST CIRCUIT)
5	Decay Time	≤1.2ms (FIG4 SIMULATION TEST CIRCUIT)
6	Directivity (deg) X-axis	110±15
7	Directivity (deg) Y-axis	60±10
8	Capacitance (pF)	1800±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(°C)	-40~+80
12	Storage temperature(°C)	-40~+85

■APPEARANCE AND DIMENSIONS

