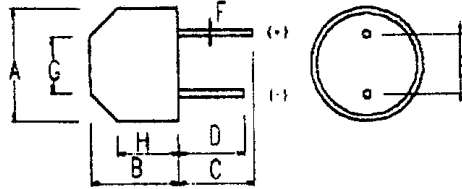


Air Ultrasonic Sensor

1. Part Number: TC40-18D

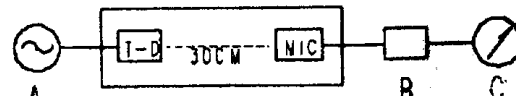
2. Dimensions:



A=18.0±0.5
 B=12.0±0.5
 C=9.0±0.5
 D=7.0±0.5
 E=10.0±0.5
 F=0.8±0.1
 G=10.0±0.5
 H=7.7±0.5

3. Measuring Circuit:

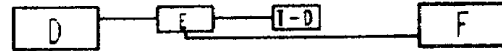
Sound Pressure Level



Sensitivity



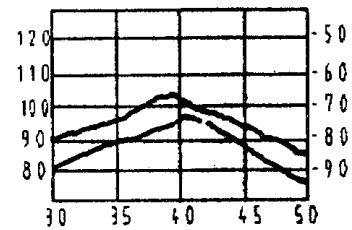
Ringings



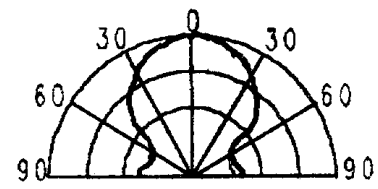
A: Oscillator B: Amplifier; C: Voltmeter; D: Pulse Generator
 E: Control circuit; F: Oscilloscope; MIC: Microphone; TW: Tweeter;
 T-DO: Ultrasonic sensor; R: 3.9KΩ;

4. Specification:

Part number	TC40-18D
Center frequency	40.0±1.0kHz
Sound pressure	≥ 100dB
Sensitivity	≥ -80dB
Capacitance	2100Pf ± 20%
Ringings	≤ 1.2ms
Directivity	55° (-6dB)
Operating temperature	-20~+70°C



Sensitivity and Pressure



Radiation Characteristics

All specification taken at 25°C