

Ultrasonic Sensor (Open Structure)

Model: UO10-TR40PBP



ELECTRICAL SPECIFICATIONS

| | Condition | Parameter | Unit |
|--------------------------------------|-----------------------------------|-------------------------------|------|
| Function | | Dual (Transmitter + Receiver) | |
| Center Frequency | | 40 ± 1 | KHz |
| Sensitivity For Receiver | 0dB = 1V/μbar, 40KHz | Min. -67 | dB |
| Sound Pressure Level For Transmitter | at 40KHz, 10Vrms, sine wave, 30cm | Min. 108 | dB |
| Capacitance | at 1000Hz, 1V | 2200 ± 20% | pF |
| Input Voltage | | Max. 113 | Vp-p |
| Directivity | -6dB | 80 | deg |
| Detectable Range | | 0.2 ~ 15 | m |
| Decay Time | | 1.6 | ms |
| Operating Temperature | | -20 ~ 70 | °C |
| Terminal | | Pin | |
| Housing Material | | ABS (Black) | |
| Weight | | 0.6 | g |

Notes: Directivity, detectable range and resolution is typical value. It can be changed by application circuit and fixing method of the sensor.

MECHANICAL DRAWING

Dimensions in mm

Tolerance ±0.5mm Except Specified

