

UK40A10 UK40P10 open structure

Application:

- Distance Measurement
- Moving Object Detection
- Obstacle Avoidance

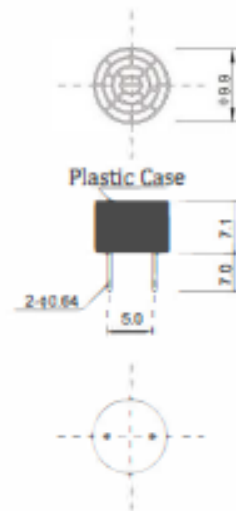
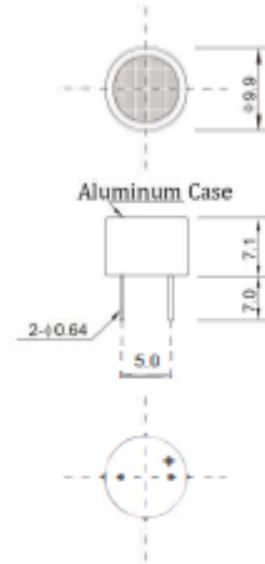
Specifications:

- Operating Frequency: 40 kHz \pm 2%
- Transmit Sensitivity: 100 dB Min.
(at 40Khz 30cm 0dB = 20 uBar)
- Receiving Sensitivity: -65 dB Min.
(at 40Khz 30cm 0dB = 10V/Pa)
- Capacitance at 1 kHz: 2500 pF \pm 20%
- Typical Directivity(-6dB): 80°
- Max Driving Voltage: 20 Vp-p
(Continuous Signal)
- Distance of Detection: 0.2 ~ 5.0m
- Operating Temperature: -30 ~ 80 °C
- Housing: Aluminum or Plastic

*All above parameters were measured at 25°C.
*Actual properties are depending on drive circuit.

PART NO.	HOUSING	TYPE
UK40A10T	Aluminum	Transmitter
UK40A10R	Aluminum	Receiver
UK40P10T	Plastic	Transmitter
UK40P10R	Plastic	Receiver

Appearance & Dimensions

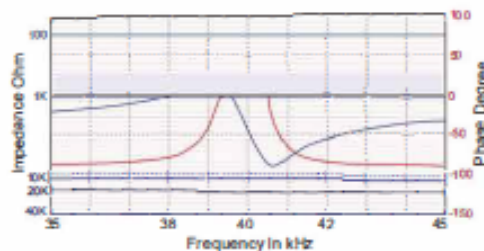
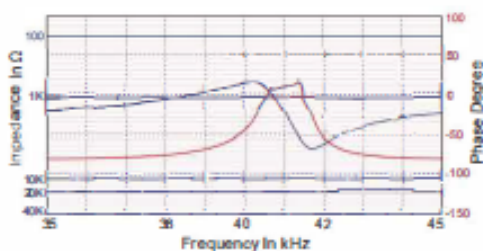


UK40A10 UK40P10 SENSORS open structure

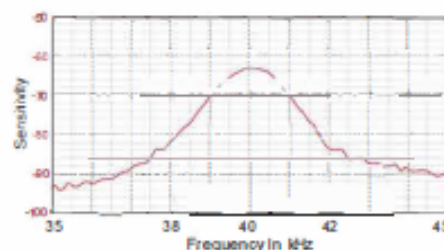
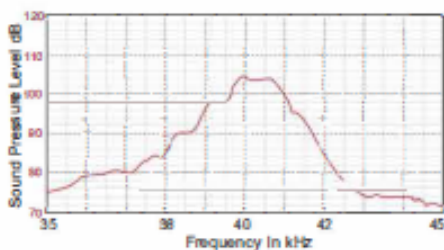
Transmitting

Receiving

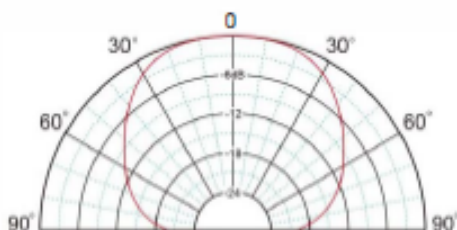
Impedance Magnitude/Phase



Sound Pressure Level & Sensitivity



Directivity



ULTRASONIC
SENSOR

