



SPECIFICATION

ULTRASONIC SENSOR SERIES

The Ultrasonic Sensor has the features of high sensitivity and sound pressure level, small size, reliability, low power consumption, and excellent characteristic against temperature and humidity.



1、Applications:

Distance measurement	Visitor informer
Back sensor of automobile	Parking meters
Automatic door control	Level measurement
Counting devices	Intrude alarm
Proximity sensor	Toys
Remote control devices	Vehicle detection

2、Specifications:

Part Number	10CK40B(M) 10CK40B(P)	10CK40R/T(M) 10CK40R/T(P)	10CK60R/T(M) 10CK60R/T(P)	12CK40R/T(M) 12CK40R/T(P)	12CK40B(M) 12CK40B(P)	16CK40B(M1) 16CK40B(P)
Construction	Open style					
Using method	Dual Use		Receiver and Transmitter		Dual Use	
Nominal frequency	40 kHz		60 kHz		40 kHz	
Overall sensitivity*	-54dB Min.				-52dB Min. -50dB Min.	
Sensitivity (dB)*	-63±3		-65±3			
S. P. L. (dB)*	120±3		120±3			
Decay Level	Max. 20mVp-p				Max. 20mVp-p Max. 20mVp-p	
Directivity (deg.)	70°		65°		50° 50°	
Capacitance (pF)	2,000±20%		2,000±20%		2,500±20% 2,000±20%	
Using Temp. Range	-30~85°C		-40~85°C		-30~85°C -30~85°C	
Detectable Range	0.2~4m		0.2~4m		0.2~4m 0.2~4m	
Resolution (mm)	9		9		9 9	
Dimensions (mm)	Φ10×7.2		Φ10×7.2		Φ12.6×9.2 Φ16×12	
Max Input Voltage	20Vp-p Pulse width 0.4ms Interval 100ms		Continuous signal 20Vp-p		Continuous signal 20Vp-p	
					100Vp-p Pulse width 0.4ms Interval 100ms	
					100Vp-p Pulse width 0.4ms Interval 100ms	