

Ultrasonic Sensor (Open Structure)

Model: UO12-TR40ABP



ELECTRICAL SPECIFICATIONS

	Condition	Parameter	Unit
Function		Dual (Transmitter + Receiver)	
Center Frequency		40 ± 1	KHz
Sensitivity For Receiver	0dB = 1V/μbar, 40KHz	Min. -65	dB
Sound Pressure Level For Transmitter	at 40KHz, 10Vrms, sine wave, 30cm	Min. 115	dB
Capacitance	at 1000Hz, 1V	2100 ± 20%	pF
Input Voltage		Max. 84	Vp-p
Directivity	-6dB	75	deg
Detectable Range		0.2 ~ 18	m
Decay Time		1.6	ms
Operating Temperature		-20 ~ 70	°C
Terminal		Pin	
Housing Material		Aluminum (Black)	
Weight		1.6	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

