

Ultrasonic Sensor (Open Structure)

Model: SUO52S-TR40AS



ELECTRICAL SPECIFICATIONS

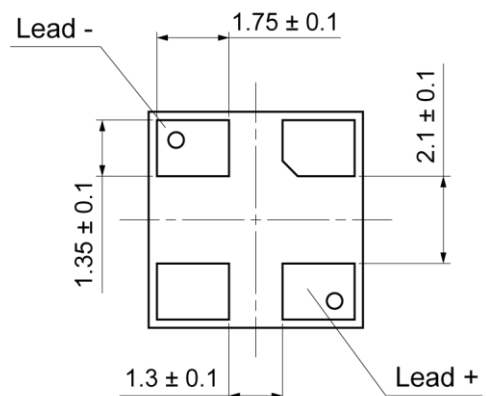
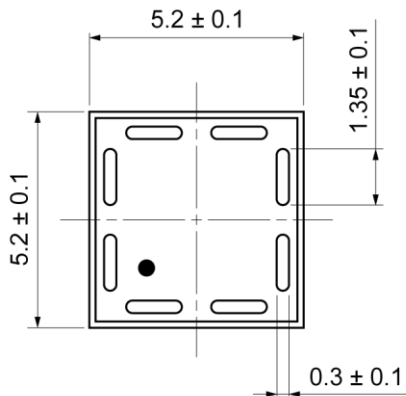
	Condition	Parameter	Unit
Function		Dual (Transmitter + Receiver)	
Center Frequency		40 ± 1	KHz
Sensitivity For Receiver	0dB = 1V/Pa, 40KHz	Min. -68	dB
Sound Pressure Level For Transmitter	at 40KHz, 6Vpp, sine wave, 15cm	Min. 97	dB
Capacitance	at 1000Hz, 1V	3800 ± 20%	pF
Input Voltage		Max. 10	Vp-p
Directivity	-6dB	60	deg
Detectable Range		Min 0.2	m
Decay Time		2	ms
Operating Temperature		-20 ~ 70	°C
Terminal		SMT	
Housing Material		Aluminum	
Weight		0.1	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 ±0.3mm Except Specified



Recommended PCB Layout

