

**Ultrasonic Sensor (Open Structure)**

**Model: SUO10S-TR40PB**



**ELECTRICAL SPECIFICATIONS**

	Condition	Parameter	Unit
Function		Dual (Transmitter + Receiver)	
Center Frequency		40 ± 1	KHz
Sensitivity For Receiver	0dB = 1V/Pa, 40KHz	Min. -75	dB
Sound Pressure Level For Transmitter	at 40KHz, 6Vpp, sine wave, 15cm	Min. 105	dB
Capacitance	at 1000Hz, 1V	12000 ± 25%	pF
Input Voltage		Max. 84	Vp-p
Directivity	-6dB	80	deg
Detectable Range		0.2 ~ 1.5	m
Decay Time		1.6	ms
Operating Temperature		-30 ~ 80	°C
Terminal		SMT (Sn plating)	
Housing Material		LCP	
Weight		0.7	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

