

10 mm 40KHZ 10mm ultrasonic sensor probe 40KHz receiving



Product Code: 940aa

Stock: 5

Custom Field 5 (Location): S164

Price: kr. 30,00

Short Description

10mm 40KHZ 10mm ultrasonic sensor probe 40KHz receiving split black metal shell ranging

Description

Description

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10pcs 10mm 40KHZ 10mm ultrasonic sensor probe 40KHz receiving and transmitting split black metal shell

T represents emission. R represents reception.

The black circle on the pin is positive, and the other one is negative when connected to the casing

10MM size: 10MM long, 7MM high, with a distance of 5MM between the legs

baochengtech Store

Ultrasonic sensor probe

10mm Black 40KHz



Receive



Transmit

Transmission and reception split

Brand New Authentic

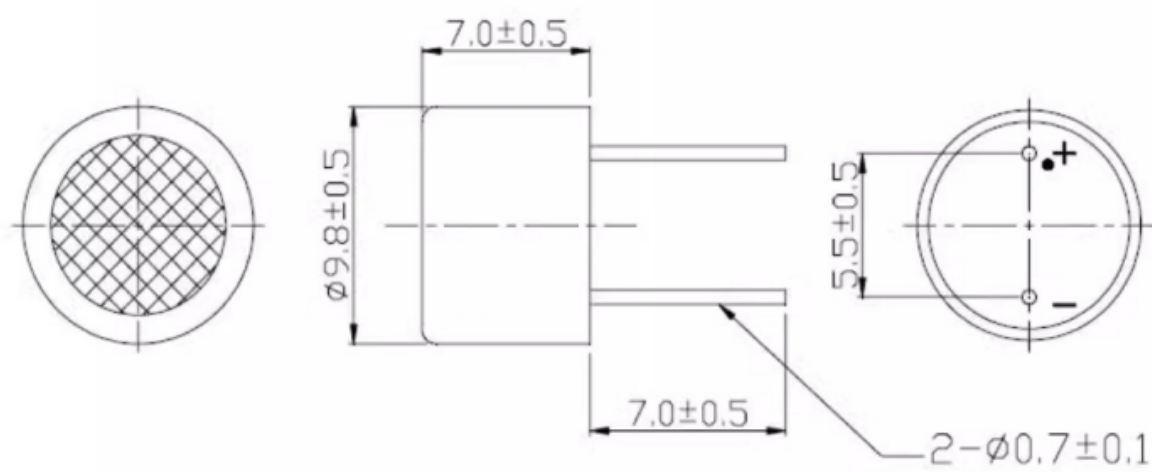
规格参数：

SPECIFICATIONS规格：

ITEM项目	T40-10Q	R40-10Q
Center frequency中心频率（KHz）	40.0±1KHz	40.0±1KHz
Sound Pressure Level声压（dB）0dB=0.0002 μ bar	≥108dB	-----
Sensitivity灵敏度（dB）0dB=1volt/ μ bar	-----	≥-67dB
Bandwidth带宽（dB）	2.0KHz	2.0KHz
Beam Angle指向角 -6dB	80°±15°	
Capacitance静电容量（pF）	2200±20%pF	
Color颜色	Black	
Max. Driving Voltage最大驱动电压(RMS)	40Vrms	
Working Temperature工作温度(℃)	-20 to +70℃	
Storage Temperature贮存温度(℃)	-40 to +85℃	

Note: "T" for Transmitter "R" for Receiver

尺寸：



Asymmetric Beam Patterns

Temperature Compensated

Specification

Transceiver

Center Frequency

$40.0 \pm 1.0 \text{ KHz}$

Bandwidth (-6dB) F.O.M.

1.2Khz

Transmitting sound Pressure Level

105dB min.

at resonant frequency; 0dB
re $0.0002 \mu \text{ bar}$ per 10Vrms at
30cm

Receiving Sensitivity

-73dB min.

at resonant frequency 0dB=1
volt/ $\mu \text{ bar}$

Nominal Impedance (Ohm)

1000

Ringin (measured with
rubber holder as per figure
on next page)

1.5ms max.

Capacitance at 1KHz $\pm 25\%$

2000pF

Max. Driving Voltage (pulse
width 0.5ms interval 50ms)

80Vp-p

Total Beam Angle -6dB

$80^\circ \pm 12^\circ$

Operation Temperature

-30 to 80°C

Storage Temperature

-40 to 85°C

All specification taken typical at 25°C

Both lead pins and lead wires output are available

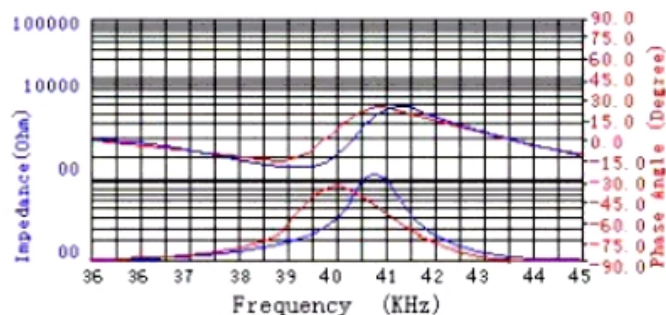
Temperature compensated type is optional Upon
request

Model available:

TR4010HC-1	Plastic Housing
TR4010HC-2	Aluminum Housing
TR4010HC-3	Black Al- Housing

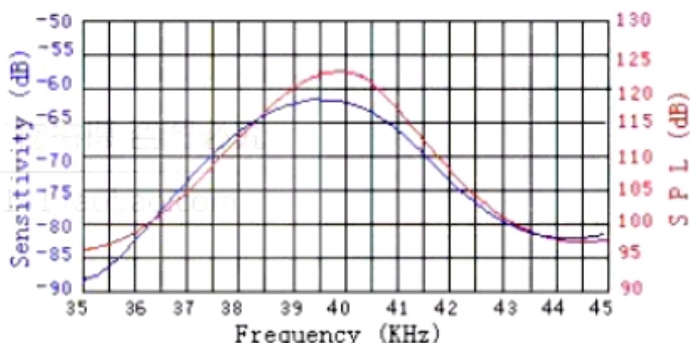
Impedance/Phase Angle vs. Frequency

Tested under 1Vrms Oscillation Level



Sensitivity/Sound Pressure Level

Tested under 10Vrms@30cm



Beam Angle: Tested at 40.0Khz frequency

