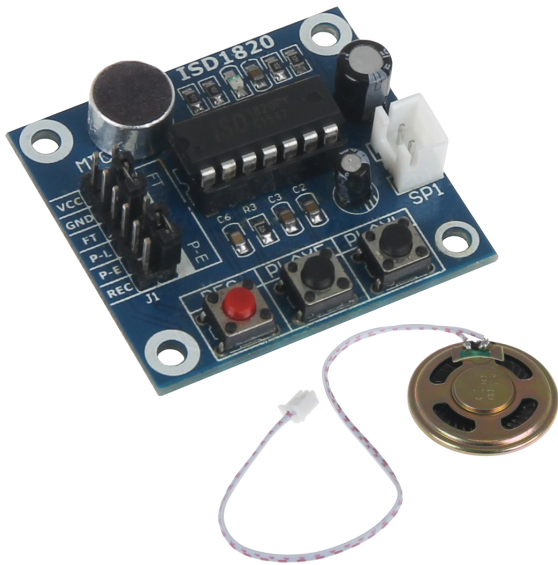
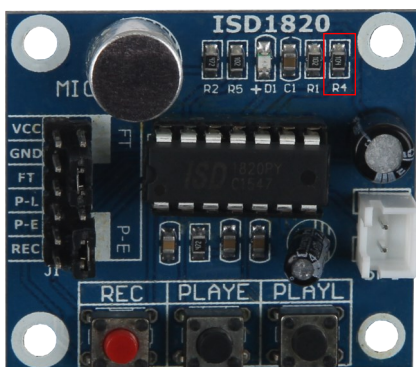


SOUNDMODULE

ISD1820



The ISD1820 sound module including speaker is your all-in-one solution for audio recording and playback. With up to 20 seconds of recording time and included mini speaker, this module is ideal for projects that require quick and easy audio interaction. Whether for toys, alarms, or personal voice memos, the button operation and easy integration with microcontrollers like Arduino make it the perfect tool for your creative applications.



MAIN FEATURES

Model	ISD1820 Soundmodul
Special feature	Recording and playback controllable via buttons or external microcontroller
Dimensions	43 x 39 x 12 mm
Weight	22 g
Items delivered	Soundmodule, Speaker

FURTHER SPECIFICATIONS

Supply voltage	3,3 V
Recording time	10 seconds (changeable by changing a resistor, see table)
Sampling rate	6,4 KHz (changeable by changing a resistor, see table)
Bandwidth	2,6 KHz (changeable by changing a resistor, see table)
Speaker	8 Ohm / 0,5W
Speaker cable length	Approx. 20 cm

FURTHER DETAILS

Article No.	SBC-SoundModule
EAN	4250236813134
Customs Tariff No.	84733020

Changing the recording duration / sampling rate

Value R4	Duration	Sampling rate	Bandwidth
80K Ω	8 seconds	8.0KHz	3.4KHz
100K Ω	10 seconds	6.4KHz	2.6KHz
120K Ω	12 seconds	5.3KHz	2.3KHz
160K Ω	16 seconds	4.0KHz	1.7KHz
200K Ω	20 seconds	3.2KHz	1.3KHz

PRODUCT TITLE

Sub title

Description

MAIN FEATURES

Model

Special feature

Dimensions

Weight

Items delivered

FURTHER SPECIFICATIONS

FURTHER DETAILS

Article No.

EAN

Customs Tariff No.



