Ultrasonic distance sensors

Compact Ultrasonic Distance Module, Selectable Object Mode

Model A06-V1.1

Integrated ultrasonic ranging module that can be set for planar objects (25-600 cm) or human bodies (30-200 cm), with UART, PWM or switch output on a 3.3V-5V supply.



Range	Accuracy
25-600 cm	±(1+S×0.3–0.5%)
Output	**Supply voltage**
UART/PWM	DC3.3V-5V

Features

- Selectable human body or planar object mode
- UART auto or controlled, PWM pulse-width, or switch output
- Built-in ranging algorithm and power management
- Waterproof ultrasonic transducer
- Operating current 20 mA

Specifications

Model	A06-V1.1
Measuring accuracy	±(1+S×0.3–0.5%)
Operating voltage	DC3.3V-5V
Operating current	20 mA
Planar mode	
Measuring range	25-600 cm
Human-body mode	
Measuring range	30-200 cm
Output	UART/PWM
Output	Switch output (output mode can be switched by the user)
Dimensions	

Mounting hole diameter	ø2.5±0.1 mm
Transducer outer diameter	ø17.5±0.3 mm
Transducer diameter	ø12.5±0.1 mm
Dimension	14.0±0.2 mm
Dimension	20.5±0.2 mm
PCB length	41.0±0.2 mm
Mounting hole spacing (length)	36.5±0.1 mm
Mounting hole spacing (width)	24.0±0.1 mm
PCB width	28.0±0.2 mm
Dimension (side view)	11.0±0.3 mm
Dimension (side view)	8.0±0.2 mm
Dimension (side view)	9.5±0.5 mm
Dimension (side view)	1.2±0.1 mm
Operating voltage	3.3-5 V
Output	UART / PWM pulse width / switch output
Measuring range (planar object)	25-600 cm
Measuring range (human body)	30-200 cm

Ordering and support

Pricing, samples, lead time and custom versions: dwinsales@163.com, +86 181 0280 8901.

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